

OCTOBER 2000  
VOLUME 42  
NUMBER 10

# STORM DATA

AND UNUSUAL WEATHER PHENOMENA  
WITH LATE REPORTS AND CORRECTIONS



**noaa** NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,  
DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER  
ASHEVILLE, NC

**Cover:** Photograph of a downburst that occurred during a storm on June 18, 2000 looking SouthEast from Flat Top Mountain in Swannanoa, North Carolina. Wind speeds of 40 knots and were recorded at the Asheville Regional Airport at 2:03 PM EST. (Photograph courtesy of Grant Goodge, National Climatic Data Center - Retired, Asheville, NC)

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### **STORM DATA**

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National Climatic Data Center

Editor: Stephen Del Greco

Assistant Editors: Stuart Hinson and Rhonda Mooring

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**STORM DATA** contains all confirmed information on storms available to our staff at the time of publication. Late reports and corrections will be printed in each edition.

Except for limited editing to correct grammatical errors, the data in **Storm Data** are published as received.

Note: "None Reported" means that no severe weather occurred and "Not Received" means that no reports were received for this region at the time of printing.

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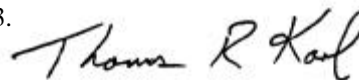
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The editors of **STORM DATA** solicit your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or severe weather events (past or present) for use in the "Outstanding Storms of the Month" section of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

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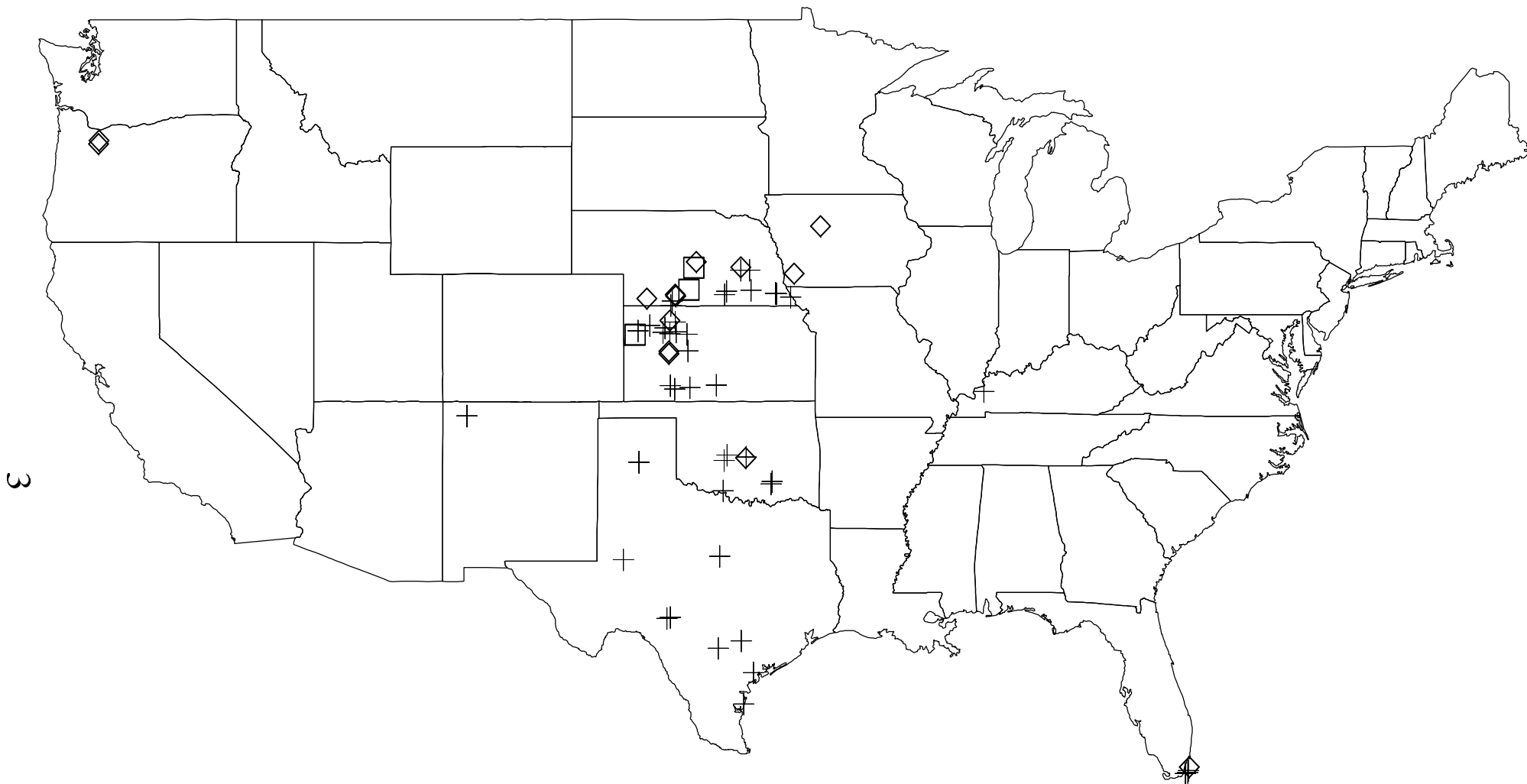
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Thomas R. Karl  
Director,  
National Climatic Data Center

# October 2000 Confirmed Tornadoes



F Scale	F0	F1	F2	F3	F4	F5	Total
Number	46	14	3	0	0	0	63

## OUTSTANDING STORMS OF THE MONTH

There is no  
“OUTSTANDING STORM OF THE MONTH ”  
for October 2000.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<b>ALABAMA, North Central</b>									
<b>ALZ006</b>	<b>Madison</b>								
	<b>01</b>	<b>0000CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Drought</b>
	<b>31</b>	<b>2359CST</b>							
The Huntsville International Airport measured 0.01 inches of rainfall for October. This was the second driest October since records began in 1958.									
<b>ALZ043</b>	<b>Elmore</b>								
	<b>06</b>	<b>0755CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>	<b>0</b>	<b>High Wind (G48)</b>
A few trees were knocked down just south of Speigner Lake. A home anemometer estimated winds at 50 to 55 miles an hour.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>08</b>	<b>0600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature recorded at the Huntsville International Airport was 34 degrees. This reading established a new record low temperature.									
<b>ALZ024</b>	<b>Jefferson</b>								
	<b>09</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature recorded at the Birmingham International Airport was 34 degrees. This reading tied the record low temperature.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>09</b>	<b>0600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature measured at the Huntsville International Airport was 29 degrees. This reading established a new record low temperature. This temperature also established a new record for the earliest first freeze of the season, which was previously set on October 20, 1964.									
<b>ALZ024</b>	<b>Jefferson</b>								
	<b>10</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature recorded at the Birmingham International Airport was 36 degrees. This reading established a new record low temperature.									
<b>ALZ044</b>	<b>Montgomery</b>								
	<b>10</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature recorded at Dannelly Field was 36 degrees. This reading established a new record low temperature.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>10</b>	<b>0600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature recorded at the Huntsville International Airport was 31 degrees. This reading established a new record low temperature.									
<b>ALZ044</b>	<b>Montgomery</b>								
	<b>11</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature measured at Dannelly Field was 35 degrees. This reading established a new record low temperature.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>11</b>	<b>0600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature measured at the Huntsville International Airport was 31 degrees. This reading established a new record low temperature.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>12</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature recorded at the Huntsville International Airport was 37 degrees. This reading tied the record low temperature.									
<b>ALZ044</b>	<b>Montgomery</b>								
	<b>12</b>	<b>0500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Extreme Cold</b>
The early morning temperature recorded at Dannelly Field was 37 degrees. This reading established a new record low temperature.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>24</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Excessive Heat</b>
The afternoon temperature recorded at the Huntsville International Airport was 83 degrees. This reading established a new record high temperature.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>25</b>	<b>1500CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Excessive Heat</b>
The afternoon temperature measured at the Huntsville International Airport was 84 degrees. This reading established a new record high temperature.									
<b>ALZ006</b>	<b>Madison</b>								
	<b>31</b>	<b>1600CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Excessive Heat</b>
The afternoon temperature recorded at the Huntsville International Airport was 84 degrees. This reading tied the previous record high temperature.									

## ALABAMA, Southeast

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## ALABAMA, Southwest

NONE REPORTED.

## ALASKA, Northern

### AKZ005-007

05	0900AST	0	0	Winter Storm
07	1200AST			

A large storm in the Gulf of Alaska moving slowly west spread moisture over a cool airmass covering the eastern Interior of Alaska. This resulted in areas of light freezing rain. Heavy snow also occurred over the western Tanana Valley where the Cooperative Observer : Anderson reported 8 inches of new snow in the 24 hours ending at 0800 on the 6th. Light freezing rain was reported in the Tanana Valley at at many places on the morning of the 5th, and also on the 6th. Likewise the Upper Yukon Valley had snow and occasional light freezing rain during this time period, over the area from Circle and Eagle south ward.

Snow and freezing rain turned to rain over the central and eastern Tanana Valley on the 6th, then alternated between snow and rain before ending late on the 6th. Then overnight temperatures dropped, causing the wet snow and slush to freeze hard, resulting in treacherous driving conditions on the 7th. Not since 1992 in the Tanana Valley had a "first of the season" Winter Storm with such significance occurred.

### AKZ003

11	2000AST	0	0	High Wind (G55) <sup>M</sup>
12	1600AST			

A weather front associated with a strong Low over Far East Russia moved across the Bering Strait and Chukchi Sea causing strong south winds over northwest Alaska. High winds were reported at Cape Lisburne: sustained 53 mph, gusts 63 mph at 1100 on the 12th.

### AKZ001

16	0800AST	0	0	Ice Storm
	1900AST			

A period of light freezing precipitation occurred across the Arctic Coast on the 16th. Wainwright..Barrow..Deadhorse..Kuparuk all reported Freezing Drizzle or light Freezing Rain. Accumulations were significant...the highest was reported from an unofficial source at Kuparuk estimating one-half inch had been deposited that morning. Temperatures around freezing with low clouds high in moisture content was the cause of the event

### AKZ007

24	1700AST	0	0	High Wind (G63) <sup>M</sup>
	1800AST			

A strong frontal system approaching central Alaska caused strong south winds across the western Alaska Range. Highest Wind reported: Healy sustained 23 mph gust 72 mph.

### AKZ006

31	0700AST	0	0	Heavy Snow
	1200AST			

Heavy snow resulted from convective cells over the open water of central Norton Sound streaming north over the far western Seward Peninsula. Teller received 10 to 12 inches of snow by noon. Brevig Mission and Port Clarence received nearly 6 inches by late morning.

## ALASKA, Southeast

### AKZ022

#### Cape Fairweather To Cape Suckling-Coastal Area

04	1500AST	0	0	High Wind (G52)
05	1900AST			

A large, intense low pressure system in the northern Gulf of Alaska brought 60 mph winds to outer coastal areas. Winds at the Yakutat airport reached 55 mph, but winds in excess of 60 mph were estimated at the harbor.

#### Cp Fairweather To Cp

#### Suckling

Yakutat

06	0530AST	0	0	Urban/Sml Stream Fld
09	0400AST			

Minor flooding occurred in Yakutat after nearly 5 inches of rain fell in less than 24 hours. Small streams flooded their banks and low-lying areas were covered with several inches of water. It took about 3 days for the flood waters to recede as another 2 1/2 inches of rain fell over the 7th and 8th.

### AKZ023-025>026

#### Cape Decision To Cape Fairweather-Coastal Area - Juneau Borough-Admiralty Island-Icy Strait Area -

#### Frederick Sound-Kupreanof-Wrangell Islands To Ernest South

07	0300AST	0	0	High Wind (G67) <sup>M</sup>
	1500AST			

An intense Pacific storm moving through the Gulf of Alaska spread very strong winds across coastal Southeast Alaska and the inner channels. Peak winds during the event included 75 mph in Sitka, 58 mph at Cape Spencer, 74 mph at the Juneau Ranger Station, 61 mph at the Juneau Federal Building, 77 mph at Eagle Crest, and 62 mph at Five Finger Lighthouse.

#### Cp Fairweather To Cp

#### Suckling

Yakutat

13	0730AST	0	0	Urban/Sml Stream Fld
15	0000AST			

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## ALASKA, Southeast

Minor flooding of small creeks and streams began after 2 inches of rain fell in Yakutat in less than 6 hours. Rain continued, moderate to heavy at times through the following 36 hours causing additional flooding of low-lying areas.

**AKZ028**

### **Dixon Entrance To Cape Decision-Coastal Area**

<b>14</b>	<b>1630AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G58)</b>	<sup>M</sup>
	<b>2230AST</b>				

Strong winds occurred over Prince of Wales Island as a deep low pressure center made landfall across the southern Panhandle of Alaska. The peak wind recorded during the event was at Hydaberg Seaplane Base: 67 mph.

**AKZ028**

### **Dixon Entrance To Cape Decision-Coastal Area**

<b>19</b>	<b>2340AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G52)</b>	<sup>M</sup>
<b>20</b>	<b>0440AST</b>				

Frequent wind gusts to 60 mph were observed at Hydaberg Seaplane Base on Prince of Wales Island as a strong low pressure center grazed the outer coast of the southern Panhandle of Alaska.

**AKZ022**

### **Cape Fairweather To Cape Suckling-Coastal Area**

<b>30</b>	<b>0515AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G70)</b>	
	<b>1050AST</b>				

A deep low moving into the northern Gulf of Alaska and cold, stable high pressure over the interior of the state resulted in very strong outflow (gap) winds through the bays and passes of the gulf coast from Icy Bay westward. Winds of 70 to 80 mph were estimated in Icy Bay.

## ALASKA, Southern

**AKZ013-015-017**

<b>04</b>	<b>2015AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G60)</b>	<sup>M</sup>
<b>05</b>	<b>0900AST</b>				

**AKZ013>014**

<b>05</b>	<b>0000AST</b>	<b>0</b>	<b>0</b>	<b>20K</b>	<b>Ice Storm</b>
<b>06</b>	<b>0900AST</b>				

A moderate frontal system, moving north from the Gulf of Alaska was preceded by moderately strong east winds.

Gusts above 60 mph were recorded at Middleton Island from just after 8 pm ADT Wednesday through 2:35 am ADT Thursday. Peak winds reached 66 mph at the site around 1 am ADT Thursday. Frontal passage shifted winds south and southeast with speeds dropping to less than 20 mph. Gusty winds from 40 to 50 mph were reported at other sites around Prince William Sound late Wednesday through early Thursday in advance of the front.

Further west in the Cook Inlet and Susitna Valley, locally strong northeast winds were reported. At the Augustine site, wind gusts above 60 mph were recorded between 9 pm ADT Wednesday and 4 am ADT Thursday. Peak winds at the site reached 69 mph between midnight and 1 am ADT Thursday.

Wind gusts at the Wasilla Fire Station of 60 mph or higher were reported from just after 1 am ADT Thursday through 8 am ADT Thursday...peaking at 67 mph there between 2:15 am and 2:30 am ADT.

Additionally, freezing rain was reported Wednesday, prompting a travel advisory by the Department of Transportation, along the Parks Highway from Chulitna to Denali National Park and also along parts of the Richardson Highway in the Copper River Basin. Vehicles were reported sliding off roads and trucks were advised to 'use chains on all hills'.

**AKZ016-019>020**

<b>05</b>	<b>0300AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G82)</b>	<sup>M</sup>
<b>06</b>	<b>1953AST</b>				

Moderate to strong north winds were reported on the back side of a moderate 977 mb low just east of Chignik (south of the eastern Alaska Peninsula). The low moved slowly east to near Sitkinak Island at 4 pm Friday. The low then merged with a deep center further east early Saturday.

Gusts briefly reached 60 mph at Cold Bay between 8 pm ADT and 9 pm ADT Thursday. At Sand Point, wind gusts first reached 60 mph just after 10 am ADT Friday, peaking at 61 mph between 4:15 pm and 4:35 pm ADT Friday. No further gusts of 60+ mph were reported at Sand Point after the 61 mph gust.

Wind gusts from 50 to 60 mph were still reported along and south of the Alaska Peninsula Friday night through Saturday morning.

At the Dutch Harbor Spit, wind gusts above 60 mph began just after 4 am ADT Thursday, peaking at 93 mph there between 7 pm and 8 pm ADT Thursday and 94 mph there between 4:30 am ADT and 5:30 am ADT Friday. Wind gusts at the site did not diminish below 60 mph until 3:30 pm ADT Tuesday.

North wind gusts of 60+ mph were reported at Cape Newenham from around 5 am ADT Friday to at least 4 pm ADT Friday. Reports there were very sporadic...however documented gusts reached at least 62 mph. These winds are known to be very localized.

**AKZ016**

<b>06</b>	<b>1720AST</b>	<b>0</b>	<b>0</b>	<b>8K</b>	<b>Ice Storm</b>
<b>07</b>	<b>0952AST</b>				

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## ALASKA, Southern

Warm air, overrunning a shallow cold air mass at ground level, produced a significant freezing rain event around the King Salmon/Naknek area. Electricity was disrupted for 45 minutes Friday and 3 hours Saturday due to the ice storm. Three power poles were downed.

### AKZ013-017

**07 1200AST** **0 0 25K** **High Wind (G87) <sup>M</sup>**  
**2359AST**

Very strong winds were recorded in the Prince William Sound area and parts of Turnagain Arm Saturday. Strong pressure rises moved up the east side of a strong 962 mb low that moved into the southeast Gulf of Alaska early Saturday. The low then curved to the northwest and west, to a position 100 miles south southwest of Middleton Island at 4 pm ADT Saturday. The low then stalled south of Middleton Island and began to weaken rapidly.

Easterly winds in several areas literally went from nothing to well above 60 mph in an hour or less. The extreme winds generally lasted 6 hours or less.

At the Prince William Sound Science Center in Cordova, a Davis system recorded wind gusts of 81 mph just after pressures bottomed out at 28.68 inches of mercury.

At Whittier the C/V "Alaska Adventure", moored at the end of "A" float, reported gusts up to 100 mph just prior to the onset of extremely rapid pressure rises early Saturday night. Winds around Whittier also went from no wind to gusts in excess of 60 mph in literally minutes. Observations, using the F420 wind system at the Whittier harbor master's office, recorded wind gusts of 58 mph on the 7 pm ADT observation. These gusts, however, were 'eyeballed' in about a 5 minute window... as there is no peak wind system at the observing site.

Just to the west, east wind gusts of 79 mph were recorded at the Portage ASOS. Here, too, winds were dead calm for two hours prior to the onset of strong winds.

The strong pressure rises moved into the Palmer area from the east, bringing gusts above 60 mph from just after 4pm ADT Saturday to just prior to 6 pm ADT on the same day. Peak winds at the Wasilla Fire Station reached 71 mph between 5 and 5:30 pm ADT Saturday.

### AKZ020

**09 0715AST** **0 0** **High Wind (G87) <sup>M</sup>**  
**11 0100AST**

A moderate front, stretching northeast across the extreme north-central Pacific, brought strong northerly winds to areas of the central and eastern Aleutian Islands Monday and Tuesday.

At the Dutch Harbor Spit site, in the lee of Mount Baileyhoo, wind gusts of 60 mph or stronger began with the 11 am ADT observation Monday, peaking at an even 100 mph on the 10 am ADT Tuesday half hourly observation. Wind gusts at this site finally diminished to below 60 mph after 2 am ADT Wednesday. Wind directions were highly variable at this reporting site due to mesoscale circulations set up by eddies moving down the mountainside. Winds at the Captain's Bay site, set up to help forecast winds around Unalaska bay, gusted briefly to 70 mph between 1:30 pm ADT and 2pm ADT Monday. Winds at the site gusted above 60 mph from 11:30 am ADT Monday until 10:30 am ADT Tuesday. Directions gradually changed from northeast to northwest during the period.

At Atka, further west along the Aleutian Chain, northeast wind gusts above 60 mph were recorded at the AWOS site from just after 8:15 am ADT Monday until 9:15 pm ADT the same day. Peak northerly winds at the site reached 97 mph between 7:55 pm ADT and 8:15 pm ADT Monday.

### AKZ013

**10 0930AST** **0 0** **High Wind (G63) <sup>M</sup>**  
**2045AST**

Moderate to strong northeast winds began gusting 60+ mph after 11:15 am ADT Tuesday, finally diminishing to under 60 mph after 9:45 pm ADT Monday. Peak winds at the site reached 73 mph between 9pm ADT and 9:15 pm ADT Monday.

### AKZ020

**10 2100AST** **0 0** **High Wind (G55)**  
**11 1200AST**

A strong 976 mb low, moving close to 45 mph north northeastward, crossed Shemya around midnight Tuesday. Sustained southerly winds were estimated at 60+ mph around Amchitka...on the east side of the storm. Winds shifted rapidly to the west and southwest behind the low and began to diminish Wednesday.

### AKZ013

**11 1500AST** **0 0** **High Wind (G60) <sup>M</sup>**  
**12 0630AST**

Brisk northeast winds were reported at the Wasilla Fire Station. Gusts reached 69 mph between 10:15 and 10:30 pm ADT Wednesday. Wind gusts at or above 59 mph were reported from 4pm ADT Wednesday to 7:30 am Thursday.

### AKZ020

**12 0400AST** **0 0** **High Wind (G87) <sup>M</sup>**  
**15 1630AST**

An intense low and its associated front produced strong winds across the Aleutians, Alaska Peninsula and southwest Alaskan Coast for almost a 3 day period. Strong southerly winds initially preceded the front, however very strong westerly winds, that developed along the back side of the storm, hammered the eastern Aleutians Friday and Saturday.



# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

## ALASKA, Southern

The storm, initially located near the Komandorskiye Islands of Russia early Thursday, deepened to around 950 mbs as it moved into the southwest Bering Sea. By 4 am ADT Friday, the storm center was located very close to the only Bering Sea buoy in existence...buoy 46035...and was still estimated at close to a 950 mb central pressure. Strong west to northwest winds along the back side of the storm accompanied it as it headed eastward and began to weaken. By late Saturday morning, the low had weakened to 972 mbs 150 miles north northwest of Cold Bay. Not until late Sunday did wind gusts finally diminish below 60 mph along the Alaska Peninsula and extreme eastern Aleutians, as the low weakened to a 980 mb center 90 miles south of Kodiak at 4pm ADT Sunday.

Prefrontal southerly winds peaked at 63 mph right around frontal passage at Shemya just after 6 am ADT Thursday. Wind gusts above 60 mph began at this extreme western Aleutian site around 5 am ADT Thursday. Gusts of 60 mph or higher lasted until 7 am the same day, a relatively short duration event there for the strong winds.

Around Dutch Harbor, prefrontal winds were not particularly high, however post frontal westerlies were.

At the Captain's Bay site, winds above 60 mph began just prior to 2 am ADT Friday. Peak winds there reached 89 mph from the southwest between 7:30 pm ADT and 8:00 pm ADT Friday and 93 mph just before 4 pm ADT Saturday. Peak winds Sunday reached 68 mph just after midnight, finally diminishing below 60 mph after 5:30 pm ADT Sunday. At the Dutch Harbor Spit site, where winds are greatly accelerated coming down Mount Balleyhoo, gusts reached 89 mph between 10:30 and 11:00 am ADT Friday, an incredible 100 mph between 3 and 3:30 am ADT Saturday. Between 1:30 am and 2:00 am ADT Sunday, westerly wind gusts at the Spit were still hitting 70 mph. On Monday wind gusts of 73 mph were recorded on the 9am ADT observation...with winds at the site finally diminishing under 60 mph by 2 pm ADT that afternoon.

### AKZ011

<b>13</b>	<b>0645AST</b>	<b>0</b>	<b>0</b>	<b>5K</b>	<b>Ice Storm</b>
	<b>1400AST</b>				

Freezing rain, ahead of a front associated with a strong Bering Sea storm, was reported around Bethel by the observer at the Weather Service Office. Indications were that freezing rain was also falling in other parts of the Kuskokwim Delta. The event lasted a little over 7 hours. Temperatures rose above freezing into the upper 30s in the afternoon. A coating of ice was reported on structures such as buildings and also on cars. Several vehicles sustained minor damage.

### AKZ013-015

<b>13</b>	<b>2213AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G54)</b>	<sup>M</sup>
<b>14</b>	<b>0500AST</b>				

Winds at the Wasilla Fire Station briefly reached a peak of 62 mph early Saturday. Reports further northeast along the Glenn Highway indicated stronger winds, which persisted into the afternoon. These stronger winds, however, could not be confirmed.

Winds at the Portage Visitor center ASOS also gusted as high as 60 mph late Friday between 11 and midnight ADT.

All directions were easterly.

### AKZ017

<b>14</b>	<b>0100AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G58)</b>	<sup>M</sup>
	<b>1000AST</b>				

Pre-frontal winds reached 67 mph near the entrance to Prince William Sound early Saturday, as a vigorous front moved onto the central North Gulf Coast Saturday afternoon from the Gulf of Alaska. At 9:08 am ADT, a Davis system at the Cordova Prince William Sound Science Center recorded a wind gust of 59 mph, the highest of the day and just before frontal passage.

### AKZ017-020

<b>20</b>	<b>0900AST</b>	<b>0</b>	<b>0</b>	<b>High Wind (G77)</b>	<sup>M</sup>
<b>22</b>	<b>1500AST</b>				

A deepening low 180 miles south southwest of Dutch Harbor at 4pm ADT Friday moved to 90 miles southeast of Chignik as a 970 mb low at 4pm ADT Saturday. The low then moved northeast toward Middleton Island, weakening to a 988 mb center 60 miles southwest of Middleton Island at 10 pm ADT Sunday.

Locally, easterly winds near 60 mph were observed in advance of the front associated with this low, which was located just south of Dutch Harbor at 4 pm ADT Friday and just south of Middleton Island at 4pm ADT Saturday. Very strong north winds, however, were reported on the northwest side of the low Friday and Saturday...slowly diminishing Sunday.

At Atka, northerly wind gusts above 60 mph began on Friday with the 1:55 pm ADT observation, peaking at 97 mph several hours later between 3:30 pm ADT and 4:00 pm ADT. The last reported wind gust above 60 mph was recorded just before 1 am ADT Saturday.

Further east, around Dutch Harbor, easterly, pre-frontal winds briefly reached 61 mph with the 2 am ADT Friday Spit observation. This was the peak wind at the site Friday, however as the low moved east of the area, very strong northerly winds began. By 2:30 am ADT Saturday, peak winds above 60 mph were frequently reaching 89 mph several times at the Dutch Harbor Spit. The strongest wind, however, was a gust of 98 mph just before 12:30 am ADT Sunday. The last strong wind gust of 60+ mph occurred just before 4pm ADT Sunday.

Along the north-central Gulf Coast, peak winds of 67 mph were recorded at Middleton Island between noon and 6pm ADT Saturday in advance of the front. Winds diminished rapidly there as the front moved by.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## ALASKA, Southern

### AKZ013

**21 1315AST** **0 0** **High Wind (G75) <sup>M</sup>**  
**22 0645AST**

Strong northeast Matanuska winds (60+ mph) began a little after 3 pm ADT Saturday, peaking at 86 mph as recorded on the 7:15 pm ADT observation. Wind gusts finally diminished to less than 60 mph Sunday at 11:30 am ADT. Peak winds early Sunday morning reached 75 mph.

### AKZ019>020-020

**22 0600AST** **0 0** **High Wind (G100) <sup>M</sup>**  
**24 1500AST**

A moderate front, that moved east across the Aleutians Sunday and Monday, and across the Alaska Peninsula and Bristol Bay Tuesday, was preceded by brisk southeasterly winds. Additionally, gusty southerly winds were reported around the southeast quadrant of the associated low, which moved to the south central Bering Sea close to the sole reporting Bering Sea buoy 46035 at 4 pm Tuesday at 974 mbs.

Gusts reached 60 mph briefly at Atka just after 4 am ADT Monday and 73 mph at the Captain's Bay site (Dutch Harbor) Monday afternoon around 2 pm ADT. Wind gusts diminished below 60 mph across the Aleutians just before midnight Monday.

Along the Alaska Peninsula, one pre-frontal gust of 60 mph was recorded at Sand Point between 7:15 and 7:35 am ADT Tuesday, however gusts from 50 to 60 mph were widespread across the Peninsula late Monday through Tuesday morning. In False Pass, however, a ship reported a synoptic observation of winds south at 86 mph (75 knots) and gusts of 115 mph (100 knots).

Southerly wind gusts up to 76 mph were reported in the central Aleutians at Atka Tuesday, on the southeast quadrant of the low. Winds above 60 mph began at Atka just after 10 am ADT Tuesday, peaking between 2:55 pm ADT and 3:15 pm ADT, then diminishing below 60 mph, as winds turned more to the southwest at 3:35 pm ADT Tuesday. Around Dutch Harbor, at the Captain's Bay site, peak winds of 61 mph were recorded Thursday morning as the low drifted east southeast through the Pribilof Islands. At the Dutch Harbor Spit, however, strong low level circulations moving southeast down Mount Baileyhoo produced wind gusts of 78 mph between 3 and 3:30 pm ADT Thursday.

### AKZ013

**24 1500AST** **0 0** **Heavy Snow**  
**25 1200AST**

### AKZ013-015

**24 1500AST** **0 0** **High Wind (G67) <sup>M</sup>**  
**25 1200AST**

Arctic air, lodged in the upper Susitna Valley, combined with a moderate weather front, that moved in from southwest Alaska and the western Gulf of Alaska, to produce heavy snows in several areas. A heavy snow warning was issued late Tuesday afternoon. Just north of Chulitna and northwest of Hurricane, storm totals ranged from 6" - 18" in an 18 hour period. The Chulitna Highway DOT maintenance facility, on the outskirts of the heavy snow, recorded a mere 3" of new snow.

Just to the south of the heavy snow area, easterly wind gusts at the Wasilla Fire Station at or above 60 mph were reported from just after 10 pm ADT Tuesday until 6:30 am ADT Wednesday. Peak wind Tuesday was a 68 mph gust, occurring between 10 pm and 10:30 pm ADT. Wind gusts then diminished to less than 60 mph for several hours until just after 3am ADT Wednesday. From 3 am ADT to 6:30 am ADT Wednesday, easterly wind gusts above 60 mph were again recorded, peaking at 66 mph just after 6 am ADT Wednesday.

In the Anchorage area, winds ahead of the front reached 77 mph at a private residence on Timberline Drive at 4:46 am ADT Wednesday.

### AKZ020

**26 0430AST** **0 0** **High Wind (G68) <sup>M</sup>**  
**1630AST**

A moderate 994 mb low in the extreme southeast Bering Sea, located 90 miles northeast of Saint George Island at 4 am ADT Thursday, weakened and moved southeast toward Sand Point as the day progressed. By 10 pm ADT Thursday, the low had weakened to 1002 mbs and was located 120 miles southeast of Chignik...continuing southeast thereafter. Strong pressure rises followed the low.

Wind gusts at the Dutch Harbor Spit peaked at 78 mph between 3 and 3:30 pm ADT Thursday.

### AKZ020

**26 1100AST** **0 0** **High Wind (G62) <sup>M</sup>**  
**2359AST**

Strong southerly winds preceded a vigorous weather front that moved across the western Aleutians Thursday. Shemya, the only reporting land station in the area, recorded pre-frontal southerly winds at or above 60 mph from just after noon until 6pm ADT. Observations from 6pm ADT until the front passed around 10 pm ADT Wednesday were missing. Peak recorded wind reached 71 mph in the afternoon.

### AKZ017

**30 0000AST** **0 0** **High Wind (G60) <sup>M</sup>**  
**1200AST**

A strengthening low 180 miles south of Kodiak late Sunday, moved to a position 210 miles south of Montague Island as a 974 mb center late Monday morning.

The front associated with the low moved north across the Gulf of Alaska, entering Prince William Sound late Monday morning. Brisk

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## ALASKA, Southern

easterly winds were observed in advance of the front.

Peak pre-frontal winds reached 69 mph between 6 and 7 am AST Monday, just before frontal passage, at Middleton Island.

### **AKZ013**

**30 0715AST 0845AST 0 0 High Wind (G66) <sup>M</sup>**

Brisk northeast winds were reported at the Wasilla Fire Station remote sensor. Gusts reached 76 mph between 7:45 am and 8:00 am AST Monday.

## AMERICAN SAMOA

### **Manu'A**

**Countywide 11 0300SST 14 1000SST 0 0 Urban/Sml Stream Fld**

A convergence zone just to the north of American Samoa coupled with a moist southwest flow aloft over the territory spread heavy showers over islands from Tuesday to Saturday. These occasional heavy showers caused widespread flooding of low lying areas and overflow most of the streams across the territory. Some are of mud and land slide were also reported by TEMCO.

### **Tutuila**

**Countywide 11 0300SST 14 1000SST 0 0 Urban/Sml Stream Fld**

## ARIZONA, Central and Northeast

### **Apache County**

**Cross Canyon 07 1630MST 0 1 Tstm Wind/Hail**  
The wind from a thunderstorm blew over a camper south of the town of Cross Canyon. A child in the camper was injured.

### **Yavapai County**

**Cordes 27 0809MST 0 0 Funnel Cloud**  
Arizona Department of Transportation(ADOT)officials reported a funnel cloud near Cordes Junction. The thunderstrom that produced the funnel cloud also produced strong wind that tipped over a tool shed at the ADOT facility in Cordes Junction.

### **Coconino County**

**Supai 27 1200MST 2000MST 0 0 Flood**  
Heavy rain during the day caused the water in Supai Creek to overflow its banks. By 430 PM, the water flowed around two bridges making them unusable. The rising water stranded 10 to 15 hikers and 20 pack animals. Parts of the campgrounds were closed after the creek rose more than three feet. The town of Supai was inaccessible until the water went down after 800 PM.

### **AZZ007-015**

**Coconino Plateau - Western Mogollon Rim 27 1500MST 2300MST 0 0 Heavy Snow**  
A deep low pressure system spread a narrow swath of snow across the higher elevations of the Western Mogollon Rim and the Coconino Plateau. Most of the snow fell between Williams and Valle with lesser amounts to the east. Snowfall amounts reported were: Williams 6 to 12 inches, Parks 6 to 9 inches, and Valle 12 inches. The power was knocked out in Parks. There were at least 5 wrecks on I-40 between Flagstaff and Bellemont and one on I-17 involving semi-trucks. The heavy snow caused trees to fall over a road south of Williams.

## ARIZONA, Northwest

### **Mohave County**

**Bullhead City 21 1815PST 0 0 Flood**  
Heavy rain and thunderstorms moved through Bullhead City, AZ producing minor flooding that left rocks and debris across "Bullhead Highway".

## ARIZONA, South

### **Cochise County**

**Countywide 11 0949MST 12 0400MST 0 0 Urban/Sml Stream Fld**  
There were several road closures due to flooding across Cochise county. Ft. Grant Road in Wilcox, Highway 191 in Elfrida, road leading to Coronado National Monument, and Davis Road and Frontier Road between Bisbee and Douglas were closed. Rainfall amounts ranged from 2 to 8.6 inches in a 36 hour period across Cochise county. Some of the higher rainfall amounts occurred over Hereford (8.64 inches) and Coronado National Monument (5.96 inches). Also, there were minor overbank flows along the San Pedro River.

### **Pima County**

**Sabino 11 0949MST 12 2130MST 0 0 Urban/Sml Stream Fld**  
Creek through Sabino Canyon flooded bridge.

### **Pima County**

**Tucson 11 0949MST 12 2130MST 0 0 5K Urban/Sml Stream Fld**

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<b>ARIZONA, South</b>									
Road closures due to flooding across Tucson area. Primarily Tanque Verde wash and Pantano wash areas. There were potholes caused by heavy rain resulting in several flat tires on E. Valencia Road in Rita Ranch. Also, there were several high water rescues conducted in eastern Tucson.									
<b>Santa Cruz County</b>									
Harshaw	11	1047MST			0	0	5K		Urban/Sml Stream Fld
	12	0400MST							
Harshaw Road washed out and damaged badly.									
<b>Santa Cruz County</b>									
Nogales	11	1047MST			0	0	5K		Urban/Sml Stream Fld
	12	0400MST							
Road closures at Tumacacori Santa Gertrudis Lane and Tubar Chavez Sidind Road due to flooding. Also, 100 yards of South River Road was washed out.									
<b>Graham County</b>									
Safford	11	1500MST			0	0	5K	10K	Urban/Sml Stream Fld
	12	0400MST							
Road closures due to flooding on Sally Bryce Road in Tally wash area. Heavy rain damaged cotton crops and pinto bean fields.									
<b>Greenlee County</b>									
Clifton	11	1500MST			0	0			Urban/Sml Stream Fld
	12	0400MST							
Several small mudslides occurred along Highway 191.									
Deep upper level trough over Nevada on the 10th moved over southeast Arizona through the 12th. The system was able to tap into moisture from the remnants of Tropical Storm Olivia which resulted in large amounts of rain and flooding. Early morning on the 11th, deep convection (with -65 to -70C cloud tops) developed. Isolated thunderstorms exploded across southeast Arizona. The low level center of Olivia passed through Cochise county between 09Z and 12Z on the 12th which ended the heavy rain.									
<b>Pima County</b>									
Green Vly	19	1320MST			0	0	0	0	Hail (0.75)
		1335MST							
<b>Pima County</b>									
Tucson	19	1400MST			0	4	0	0	Lightning
Four teenage boys were struck by lightning. They were playing in a park when it started to rain and decided to get cover under a nearby tree. Three of the boys were slightly injured and one boy was in critical condition.									
Second string of storms that was located west of sothern California on the 17th and moved across Northern Sonora Mexico on the 19th. The ground was already saturated from the previous storm system on the 11th. Heavy rain up to three inches fell across southeast Arizona due to cell training ahead of the system. There were several reports of pea size and dime size hail from Bisbee and Sierra Vista in Cochise county. There was also pea size hail reported in the Tucson Metro area.									
<b>AZZ032</b>									
<b>Tohono Oodham Nation</b>									
	22	0800MST			0	0	30K		Flood
	23	0200MST							
Flooding occurred along the Altar wash and Brawley wash which made Highway 286 between Three Points and Sasabe impassable. Located at the confluence of the Freshnal wash and Vamori wash, the village of Cowlic was inundated with flowing water. Roads were under water leaving debris and mud when the water receded. Vamori wash spilled over its banks near the town of Vamori making an island of the town. Secondary roads were washed away or heavily damaged.									
<b>AZZ034</b>									
<b>Santa Cruz County</b>									
	22	0800MST			0	0	5K		Flood
	23	0900MST							
Residents in Patagonia were landlocked due to flooding of the Harshaw Creek and Sonoita Creek. The Old Tucson Road flooded due to high water rises along the Nogales wash. Also, 800 feet of South River Road flooded along the Santa Cruz River.									
<b>AZZ019</b>									
<b>Northern Greenlee</b>									
	22	0800MST			0	0			Winter Storm
	23	0900MST							
Hanagan Meadow received 18 inches of snow. However, Highway 191 between Rose Peak and Morenci only received 2 to 5 inches of snow.									
<b>AZZ033</b>									
<b>Tucson Metro/Marana/Green Valley</b>									
	22	0800MST			0	0	5K		Flood
	23	0900MST							
Several road closures along the Tanque Verde wash, Canada Del Oro wash, and Pantano wash due to flooding. Roughly a dozen or more road closures due to standing water around the Tucson Metro area. Homes were temporarily evacuated in Tanque Verde Canyon just east of Tucson. The International Airport in Tucson received record rainfall for the 22nd of 1.24 inches. The previous record was .23 inches in 1957. The 22nd ranks the 10th wettest day in October. Other measurements of precipitation across the Tucson area ranged from 1 inch to 2.5 inches. In the Catalina Mountains precipitation was in the form of snow. Mount Lemmon received 6 inches of snow, while Summerhaven only received 2 inches of snow.									
The Santa Cruz River in Cortaro crested at 10.5 feet at 1 pm on the 23rd. The flood stage is 14 feet.									

# Storm Data and Unusual Weather Phenomena

October 2000

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## ARIZONA, South

The Santa Cruz River in Green Valley was running bank to bank. The river crested at 7.9 feet shortly before 10 am on the 23rd. The flood stage is 15 feet.

Silver Bell mountains experienced flooding. Also the Oro Blanco wash flooded.

### AZZ035

#### Cochise County

22	1829MST	0	0	83K	Flood
23	0900MST				

The east approach on Hereford Road and bridge was under 3 feet of water. 150 feet of Hereford Road was damaged and the north side of the road was eroded. The San Pedro River near Hereford had a height of 20 feet at the center point of the river. The San Pedro River near the Riparian National Conservation are overflowed its banks damaging roads and trails along the river. The water spread out a half of a mile wide onto surrounding grasslands. Near Palominas, the San Pedro river exceeded flood stage of 15 feet. The water was traveling at 175,000 cubic feet per second which was the highest flow recorded since 1940. The highest water levels of 18.9 feet occurred at 1000 on the 23rd. The road between Tombstone and Gleeson flooded and eight cars were towed out of the Ghost Town Trail area. In Bisbee, a retaining wall collapsed at 124 OK Street onto a stairway leading into Brewery Gulch. Minor flooding of homes occurred down Brewer Gulch. Also, small rock slides were reported along Highway 90 on both sides of Mule Pass Tunnel near Bisbee. On Fire Road between Canelo and Coronado National Monument, a series of rock slides and mud slides occurred. There were several road closures near Elfrida, including Davis Road and Frontier Road between Bisbee and Douglas due to flooding. At Charleston, the San Pedro River reached highest water levels of 9.7 feet at 1900 on the 23rd which exceeded bankfull stage of 7 feet. The flood stage is 20 feet.

### AZZ030

#### Upper Gila River Valley

22	1829MST	0	0	Flood
23	0900MST			

Secondary roads between Safford and Solomon were barricaded due to high water levels. The Gila River near Solomon reached highest level of 13.8 feet at 1 am on the 23rd. The flood stage is 17 feet. The San Francisco River at Clifton reached highest water levels of 19.4 feet at 1pm on the 23rd. The flood stage is 23 feet. As standard procedure the flood gates were tested. The Blue River just north of Clifton reached highest water levels of 13.8 feet at 9 am on the 23rd. The flood stage is 15 feet. In higher elevations the precipitation fell in the form of snow. Highway 366 received 2 to 5 inches of snow.

Following quickly after the storm system on the 19th, the third major storm system was unusually powerful for mid October. Accompanying the system was a 160kt 300mb jet which helped tilt the system before closing off south of San Diego on the 22nd. Dramatic height falls in an area of high precipitable water values caused widespread precipitation. The 700mb winds were from the south at 30 to 40kts. The low became nearly stationary over the northernmost part of Baja Peninsula on the 22nd. Rainfall rates of one inch per hour fell for several hours over Northern Sonora. The heaviest rain in the valleys were associated with the deformation zone passing aloft. The mountains in Greenlee, Graham, and Pima counties also received several inches of snow. By the evening of the 22nd the low began to lift north into western Arizona.

## ARIZONA, Southwest

### Maricopa County

Phoenix to Scottsdale	04	0730MST 0800MST	0	0	50K	Thunderstorm Wind
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Thunderstorms developed over a large area of the metropolitan area. Lightning struck the towers on Mummy Mountain and knocked out the Paradise Valley Police Department communication system.

Lightning was also blamed on causing a house fire on 35th Avenue and starting tree fires in Scottsdale.

High winds were reported at 16th and Roosevelt and at 23rd Avenue and Dobbins where power poles were knocked down. Small hail accompanied these storms.

### Maricopa County

Mesa to Phoenix	10	0700MST 1200MST	0	0	Urban/Sml Stream Fld
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A strong storm system moved through the valley producing very heavy rainfall and resulted in street flooding and road closures. Phoenix Fire Department responded to four swift-water rescues. Flooding was reported around Indian Bend Wash. Seventy five flights at Sky Harbor Airport were delayed by the storms.

### Pinal County

Apache Jct	10	0745MST	0	0	10K	Thunderstorm Wind
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Winds blew awnings off several mobile homes.

### Maricopa County

Mesa	19	1129MST	0	1	Lightning
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Man struck by lightning at Williams Gateway Airport.

### Yuma County

Yuma	21	1500MST	0	1	Lightning
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A Yuma firefighter was struck by lightning as he was fighting a lightning-caused fire in a palm tree. The tree was struck by a bolt and the current ran down the water stream and shocked him. He was thrown back about 10 feet into a wall by the bolt.

### Pinal County

Casa Grande	21	1700MST	1	1	Lightning
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A 17 year-old girl was killed and her 3 year-old nephew was burned .  
F17OT

# Storm Data and Unusual Weather Phenomena

October 2000

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## ARIZONA, Southwest

### Maricopa County

Aguila to	21	2030MST			0	0	2M	1M	Flash Flood
Wickenburg	22	2300MST							

A spotter in Wickenburg reported that route 93 was closed north of Wickenburg due to high water. Sols wash was out of its banks and flooded Coffinger Park as well as nearby homes. The Vulture Mine road was closed and motorists had to be rescued. Flood waters produced considerable damage to melon and cotton crops in this rural area of northwest Maricopa County. The roads around Aguila were closed for several hours.

### La Paz County

Wenden	22	0300MST			1	0	6.2M	1M	Flash Flood
	23	1200MST							

In the early morning hours of Sunday October 22, a large low pressure area dumped four to six inches of rain over parts of eastern LaPaz and western Maricopa County. This caused flash flooding in the upper part of the Centennial Wash between the Harcuvar and Harquahal mountain ranges. The heavy runoff flowed into the town of Wenden where water ran over the highway 60 bridge. At its peak the wash was about 3/8ths of a mile wide and 12 feet deep. The resulting high water surged through the town of Wenden with at least 400 residents evacuated. There was extensive damage to the town and for many miles downstream. The reported flow was in excess of 20,000 cfs. When the flood hit Wenden, it inundated some mobile homes, causing them to lift off their foundations and float down the wash. An estimated 125 mobile homes were affected. One migrant worker was killed when flood waters swept through the town during the early morning hours. Additional heavy rainfall hit this area several days later and complicated relief efforts for many of the homeless. M24OT

### Maricopa County

New River	21	2100MST			0	0			Lightning
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A chartered jet carrying the ASU football team was struck twice by lightning while approaching Phoenix from the north.

### Maricopa County

Aguila to	27	2100MST			0	0	2M	1M	Flash Flood
Buckeye	28	1600MST							

The second major storm in a week left considerable flooding in both rural and urban areas. A trailer park in Aguila and another in Buckeye had to be evacuated. Homes in Peoria, Youngtown, Surprise and surrounding areas reported flooding. The hardest hit was the Ventana Lakes subdivision of Peoria. This area experienced record or near record monthly rainfall totals; one unofficial gauge 15 miles east of Aguila registered 8.79 inches for the month! A gauge in Aguila had 5.05 inches for the month. Department of Transportation estimate of damage to roads and bridges alone was \$1,000,000. Dikes and ditches in the agricultural areas sustained major damage in addition to crop losses.

## ARKANSAS, Central and North Central

### Sharp County

Ash Flat	05	1432CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds downed trees at Ash Flat.

### Sharp County

Ash Flat	05	1432CST			0	0			Hail (0.75)
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### Izard County

Franklin	05	1505CST			0	0			Hail (0.75)
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### Johnson County

Coal Hill	05	1951CST			0	0			Hail (1.75)
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Hail up to golfball size damaged vehicles at Coal Hill.

### Johnson County

Coal Hill	05	1955CST			0	0			Thunderstorm Wind (G61)
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Thunderstorm winds estimated around 70 mph downed trees and power lines at Coal Hill. One tree fell on a house, with some roof damage noted.

### Logan County

Scranton	05	2005CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds downed trees and power lines at Scranton.

### Logan County

Midway	05	2005CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds knocked down some trees and power lines at Midway.

### Johnson County

Hartman	05	2005CST			0	0			Thunderstorm Wind (G61)
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Thunderstorm winds estimated around 70 mph knocked down trees and power lines at Hartman.

### Logan County

New Blaine	05	2015CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds blew down a few trees at New Blaine.

### Johnson County

Clarksville	05	2015CST			0	0			Thunderstorm Wind (G61)
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Thunderstorm winds estimated around 70 mph blew down some trees and power lines at Clarksville.

### Johnson County

Knoxville	05	2030CST			0	0			Thunderstorm Wind (G70)
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# Storm Data and Unusual Weather Phenomena

October 2000

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## ARKANSAS, Central and North Central

Thunderstorm winds estimated around 80 mph damaged or destroyed half a dozen chicken houses and a turkey house near Knoxville. A mobile home was also destroyed, with roof damage noted at several homes. Trees and power lines were also downed.

<b>Yell County</b> 1 W Dardanelle	05	2040CST			0	0			Hail (0.75)
<b>Pope County</b> Russellville	05	2040CST			0	0			Hail (0.75)
<b>Pope County</b> Atkins	05	2050CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds were estimated around 70 mph at Atkins.									
<b>Pope County</b> Atkins	05	2050CST			0	0			Hail (1.00)
<b>Conway County</b> Morrliton	05	2110CST			0	0			Thunderstorm Wind (G50)
Thunderstorm winds downed trees and power lines at Morrliton.									

## ARKANSAS, East

<b>Randolph County</b> 2 W Pocahontas	05	1515CST 1520CST			0	0	10K		Thunderstorm Wind
Several power lines were knocked down.									
<b>Lawrence County</b> Minturn	05	1559CST 1605CST			0	0	40K		Thunderstorm Wind
One vacant house trailer was destroyed. A second trailer was blown over. Some grain bins were damaged. Some trees and power lines were blown over. One tree fell on a house.									
<b>ARZ009-028-035</b> Clay - Mississippi - Cross	09	0400CST 0800CST			0	0	750K		Extreme Cold

An early season freeze produced damage to the soybean crop across parts of northeast Arkansas.

## ARKANSAS, Northwest

<b>Crawford County</b> Mulberry	05	1924CST			0	0			Hail (0.88)
<b>Crawford County</b> Mulberry	05	1924CST			0	0			Thunderstorm Wind (G52)
<b>Franklin County</b> Ozark	05	1933CST			0	0	250K		Hail (1.75)
<b>Franklin County</b> Ozark	05	1933CST			0	0			Thunderstorm Wind (G52)
<b>Franklin County</b> 2 E Ozark	05	1944CST			0	0	0.10K		Thunderstorm Wind
Thunderstorm winds blew trees down onto Highway 64.									
<b>Sebastian County</b> Ft Smith	05	2000CST			0	0			Hail (0.88)
<b>Sebastian County</b> Ft Chaffee	05	2010CST			0	0			Hail (0.75)

## ARKANSAS, Southeast

NONE REPORTED.

## ARKANSAS, Southwest

<b>Nevada County</b> 5 E Rosston	06	0040CST			0	0			Hail (1.00)
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## CALIFORNIA, Extreme Southeast

<b>Imperial County</b> Glamis	09	2000MST			0	0			Heavy Rain
News program reported a train derailment near Glamis due to water undercutting the tracks.									

## CALIFORNIA, North Central

<b>Tehama County</b> 5 W Red Bluff	01 04	0001PST 2359PST			0	0	547K		Wild/Forest Fire
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A wildfire that had ignited in late September west of Red Bluff continued to burn in early October. By the time the fire was contained, it

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## CALIFORNIA, North Central

had destroyed five out-buildings and one radio vault and had burned 8284 acres.

### **Sacramento County**

Elk Grove	09	1530PST 1545PST			0	0	150K		Lightning
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Lightning struck a television antenna, setting the roof ablaze.

**CAZ015>019-063>064-066>069** Northern Sacramento Valley - Central Sacramento Valley - Southern Sacramento Valley - Carquinez Strait And Delta - Northern San Joaquin Valley - Mountains Southwest Shasta County To Northern Lake County - Clear Lake/Southern Lake County - Northeast Foothills/Sacramento Valley - Motherlode/Camptonville To Groveland - Mt Shasta/Western Plumas County - West Slope Northern Sierra Nevada

21	0415PST				0	0	40K		High Wind (G68) <sup>M</sup>
23	0400PST								

Strong north winds exceeded 40 mph across the interior valley and foothills. More than 20,000 SMUD and PG&E customers were temporarily without power. The winds uprooted trees damaging several homes and vehicles. Across the less populated Sierra Nevada, winds exceeded 75 mph.

**CAZ068>069** Mt Shasta/Western Plumas County - West Slope Northern Sierra Nevada

28	0400PST				0	0			Heavy Snow
29	1530PST								

One to two feet of snow was measured above 7000 feet.

## CALIFORNIA, Northeast

**CAZ072** Greater Lake Tahoe Area

22	0900PST				0	0	50K		High Wind (G40)
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Newspaper report of several boats damaged during wind storm. Two were sunk and five were beached. Coast Guard estimated damage to be over \$50,000.

**CAZ072** Greater Lake Tahoe Area

29	0030PST				0	0	0		Heavy Snow
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Spotter reported four inches of snow in four hours in Kingvale, California.

**CAZ073** Mono

29	0735PST				0	0	0		Heavy Snow
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Trained spotter reported 12 inches of snow overnight at 9000 feet in Mammoth, California.

**CAZ072** Greater Lake Tahoe Area

29	0820PST				0	0	0		Heavy Snow
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Department of Highways in Lake Tahoe reported 12 inches of snow at 7000 feet and 6-8 inches at lake level overnight.

**CAZ072** Greater Lake Tahoe Area

29	0845PST				0	0	0		Heavy Snow
----	---------	--	--	--	---	---	---	--	------------

Spotter reported 18-24 inches of snow in 24 hours above 7000 feet at Boreal Ski Area in California.

**CAZ072** Greater Lake Tahoe Area

29	0904PST				0	0	0		Heavy Snow
----	---------	--	--	--	---	---	---	--	------------

Placer County Sheriff's Department reported 8 inches of snow in 12 hours in Placer County, California.

**CAZ072** Greater Lake Tahoe Area

29	0940PST				0	0	0		Heavy Snow
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Trained spotter reported 12 inches of snow in 12 hours 4 miles Northwest of Truckee, California.

## CALIFORNIA, Northwest

NONE REPORTED.

## CALIFORNIA, South Central

**CAZ091** Sw Sj Valley

09	1730PST 2000PST				0	0			Dust Storm
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Gusty wind just ahead of frontal passage through the Central San Joaquin Valley raised dust in many areas of the west side...including Kings County where visibility dropped to only 200 feet in a few locations. Some areas of blowing dust were also reported in Fresno County but visibilities were not reported as low.

### **Fresno County**

8.7 N Fresno	09	1950PST 2025PST			0	0			Lightning
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### **Kings County**

4 NE Hanford to 4 N Hanford	09	2045PST 2110PST			0	0			Thunderstorm
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# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
<b>CALIFORNIA, South Central</b>									
<b>Fresno County</b>									
10 NE Reedley to 20 NE Reedley	09	2140PST 2210PST			0	0			Thunderstorm
Late evening convection brought numerous reports of locally heavy thundershowers beginning on the west side of the San Joaquin Valley and then moved northeast toward the foothills of the Southern Sierra Nevada. One cell along the south border of Fresno County generated a severe thunderstorm warning with a high reflectivity value but a lack of spotter reports due to time-of-day could not give verification of a severe event. A subsequent report of 4" of snow was received at Huntington Lake at the 7200-foot elevation of Fresno County overnight due to the thunder-snowshower activity. Another report of 4" of snow was received as well from Lodgepole in the Tulare County Mountains.									
<b>CAZ096&gt;097</b>									
<b>S Sierra Mtns - Tulare Cty Mtns</b>	09	2000PST			0	0			Winter Storm
	10	2000PST							
<b>CAZ095</b>									
<b>Kern Cty Mtns</b>	10	0100PST 1500PST			0	0			Snow
The first winter storm of the season affected the Interior Central California mountain areas beginning very late on the 9th and early on the 10th. Huntington Lake received 5" of new snow, Tuolumne Meadows 4", Mt. Tom Lookout 8", Lodgepole 10", and 5" on the Manter Fire Burn area of southeast Tulare County. The Kern County Mountain areas received snow above the 6000-foot elevation with 0.58" of rain at Mountain Mesa, 1.03" at Glennville.									
<b>Tulare County</b>									
5.5 S Earlimart	10	1222PST 1230PST			0	0			Lightning
<b>Fresno County</b>									
Fresno	10	1300PST 1600PST			0	0			Urban/Sml Stream Fld
<b>Tulare County</b>									
Tulare to Farmersville	10	1400PST 1600PST			0	0	30K		Urban/Sml Stream Fld
<b>Fresno County</b>									
11.5 NE Coalinga to 9 SW Huron	10	1507PST 1520PST			0	0		4M	Hail (0.75)
<b>Kings County</b>									
8 N Avenal to 8 NE Avenal	10	1550PST 1600PST			0	0		500K	Hail (1.00)
An early season convective rain event did economic damage to the Central and Southern San Joaquin Valley. Frontal passage with embedded and post-frontal thunderstorms swept through the Central and South San Joaquin Valley beginning around 0900 PST on the 10th. Hanford received 1/3" rain in an hour from a heavy thundershower from 1150 to 1250 PST. Severe weather hail damage occurred on the west side of the San Joaquin Valley in the Fresno and Kings County areas. Additionally, a 1-mile long, small hail swath in Central Fresno County near Malaga did agricultural damage. Crops impacted by the hail were lettuce, alfalfa, beans, broccoli, persimmons, raisin, pomegranates, and cotton. Going back through at least 1922, no Fresno Fair closures had been noted due to adverse weather but the heavy rain on the 10th closed the fair leading to an estimated revenue loss of \$200K. Over the 3-day period from the 9th through the 11th, Fresno received 1.22" of rain including a record breaking 0.76" on the 10th. Ponded water caused numerous flooding problems in and around the City of Fresno. In the Tulare area 0.67" was received during the afternoon of the 10th. The unusually significant, early rain caused damage in the form of ceiling collapses and water damage.									
<b>CAZ089&gt;090</b>									
<b>W Central Sj Valley - E Central Sj Valley</b>	12	0525PST 0700PST			0	0			Fog
On the heels of an early rain in the San Joaquin Valley, the first dense fog episode of the cool season occurred in Merced County in the early morning hours of October 12th. Visibilities lowered to below 500 feet on Merced County roads for a couple of hours.									
<b>CAZ089-091-093-098&gt;099</b>									
<b>W Central Sj Valley - Sw Sj Valley - S Sierra Foothills - Indian Wells Vly - Se Kern Cty Desert</b>	21 22	0600PST 0300PST			0	0			Wind
Frontal passage through Interior Central California provided gusty wind along the west side of the San Joaquin Valley where wind speed up to 41 MPH was reported at Kettleman Hills and 37 MPH at Navy Lemoore. Other reports were received regarding gusty wind that felled some trees in the Madera County foothills around Bass Lake with speeds to 61 MPH at Crane Flat Lookout at 1200 PST. In the SE Kern Desert, Mojave had localized gusts to 58 MPH along with Edwards AFB gusts in excess of 45 MPH. Wind lingered longer in the Indian Wells Valley of Kern County with local gusts to near 60 MPH at Laural Mountain at 1713 PST.									
<b>CAZ098</b>									
<b>Indian Wells Vly</b>	22	0930PST 1440PST			0	0			Wind
Post-frontal wind again plagued the Indian Wells Valley area with Laural Mountain reporting early morning wind locally up to 62 MPH. Many locations in the Kern Desert, including that near Cantil, had wind gusts to near 50 MPH with some blowing dust.									

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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## CALIFORNIA, South Central

### CAZ096

#### S Sierra Mtns

26 1400PST

27 0300PST

0

0

Snow

By 1800 PST Tuolumne Meadows had received 6" of new snow and ultimately 11" of new snow was reported from the overnight event.

### CAZ096>097

#### S Sierra Mtns - Tulare Cty Mtns

28 2000PST

29 2200PST

0

0

Winter Storm

### Tulare County

#### Tulare

29 1450PST

1700PST

0

0

Urban/Sml Stream Fld

A major weather system provided major snow accumulations for the higher terrain; over 8 inches of snow within 12 hours at Tuolumne Meadows and 18" inside 24 hours at Big Meadows in the Tulare County Mountains. Subsequent atmospheric instability on the 29th lead to not only several reports of large hail and numerous reports of funnel clouds, but urban flooding from heavy convective rain showers. Minor street flooding was reported in Visalia but major street flooding reported by the Tulare County Sheriff. Spotter storm total precipitation reports indicated Lemoore 0.75", Fresno 0.81", Clovis 1.01", Merced 1.03", 1.44" Visalia, and 3.25 inches at Fish Camp in the Southern Sierra Nevada Mountains.

### Kings County

#### 5 S Hanford

29 1330PST

1345PST

0

0

Funnel Cloud

### Tulare County

#### 2 W Visalia Arpt to

#### 1.5 W Visalia Arpt

29 1338PST

1340PST

0

0

Funnel Cloud

### Tulare County

#### 5 NE Pixley to

#### 6 NE Pixley

29 1440PST

1442PST

0

0

Funnel Cloud

### Merced County

#### 9 SE Merced Arpt to

#### 12 SE Merced Arpt

29 1850PST

1910PST

0

0

Hail (1.00)

### Madera County

#### 7 W Chowchilla

29 1910PST

1915PST

0

0

Hail (0.75)

A major weather system, especially considering the time of year, moved over interior Central California late on the 28th providing major snow accumulations for the higher terrain. Subsequent atmospheric instability on the 29th lead to several reports of large hail and numerous reports of funnel clouds. A north-south line of convection formed over the San Joaquin Valley upon passing Kings County by 1330 PST on the 29th. Two large cells threatened Visalia/Tulare and Corcoran, respectively, and a Severe Thunderstorm Warning and a Tornado Warning were issued due to the threat. HNX 88D reported TVS east of Corcoran. However no verification in the rural area could be obtained. Large hail occurred in Visalia with several reports of funnel clouds through the early to mid afternoon hours.

## CALIFORNIA, Southeast

### CAZ026

#### Owens Valley

29 0100PST

1100PST

0

0

Heavy Snow

A Pacific storm system brought heavy snow to portions of the southern Sierra Mountains. South Lake reported 6 to 7 inches of new snow in a 10 hour period.

## CALIFORNIA, Southwest

### San Bernardino

#### County

#### Lake Arrowhead

01 2300PST

03 1600PST

0

0

30K

Wild/Forest Fire

Shifting winds spread a minor brush fire into 100 acres of rugged terrain that had not burned for several decades. Firefighters were unable to contain the blaze until two days later.

### CAZ057

#### Santa Ana Mountains And Foothills

22 1000PST

1700PST

0

0

High Wind (G56) <sup>M</sup>

### Orange County

#### Fullerton to

#### San Juan Capistrano

27 0430PST

0930PST

0

0

30K

Urban/Sml Stream Fld

### San Diego County

#### Oceanside to

#### Mission Beach

27 0500PST

1100PST

0

0

10K

Urban/Sml Stream Fld

The first significant rainfall of the season brought over an inch of rain to the coastal sections during the morning hours. Storm drains were quickly clogged by debris that had accumulated during the preceding months. Minor flooding occurred in Seal Beach and Sunset Beach.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## CALIFORNIA, Southwest

Traffic accidents during the morning commute hour were twice the normal amount (89 in Orange County and 95 in San Diego County).

### Orange County

10 SW (Sna) Santa Ana Co 28 0830PST 0 0 Funnel Cloud

### Orange County

5 WSW (Sna) Santa Ana Co 28 0911PST 0 0 Funnel Cloud  
0932PST

### Orange County

5 SE (Sna) Santa Ana Co 28 1048PST 0 0 Funnel Cloud

### Riverside County

San Jacinto to Hemet 30 1312PST 0 0 25K Urban/Sml Stream Fld  
1400PST

A thunderstorm dropped pea sized hail and about 2.5 inches of rain, causing low lying intersections in Hemet to flood. The thunderstorm then moved east into the San Jacinto Mountains and dropped snow for about a half an hour, giving that area the first snowfall of the season.

## CALIFORNIA, Upper

NONE REPORTED.

## CALIFORNIA, West South Central

### Santa Barbara County

Santa Barbara 26 1522PST 0 0 Urban/Sml Stream Fld

### Santa Barbara County

Montecito 26 1612PST 0 0 Urban/Sml Stream Fld

Heavy rain produced urban flooding across southern sections of Santa Barbara County. Street flooding was reported in the communities of Santa Barbara and Montecito.

### Los Angeles County

Malibu 27 0000PST 0 0 Flash Flood

Heavy rain, in excess of 1.5 inches per hour, produced flash flooding in the Malibu area. Flooding was reported in Malibu City Hall. Also, mudslides closed sections of Malibu Canyon Road.

### Los Angeles County

Long Beach 27 0130PST 0 0 Urban/Sml Stream Fld  
0730PST

The combination of heavy rain and clogged storm drains resulted in urban flooding in the community of Long Beach. The Long Beach Freeway (Interstate 710) was closed for 6 hours between Willow Street and Pacific Coast Highway.

### CAZ034>035

### San Luis Obispo County Central Coast - Santa Barbara County Central Coast

29 0300PST 0 0 Heavy Surf  
30 2000PST

Large northwest swells generated heavy surf along the Central Coast. Widespread surf of 10 to 12 feet with local sets to 15 feet was reported.

## CALIFORNIA, Western

### CAZ005-007

### Sonoma / Marin Counties - Alameda / Contra Costa Counties

21 2145PST 0 1 High Wind (G97) <sup>M</sup>  
23 2230PST

## COLORADO, Central and Northeast

### Larimer County

12 W Estes Park 03 1405MST 0 2 0 0 Lightning

Two people were injured when they were struck by lightning at the Forest Canyon Overlook, at nearly 12,000 feet elevation along Trail Ridge Road. The thunderstorm formed rapidly overhead. One of the victims was badly burned, the other had no visible injuries.

## COLORADO, East Central

### Kit Carson County

10 ESE Burlington 28 1510MST 0 0 Thunderstorm Wind (G52)

### Yuma County

11 E Idalia 28 1545MST 0 0 Thunderstorm Wind (G52)

### Cheyenne County

Arapahoe 31 1355MST 0 0 Hail (0.88)

### Cheyenne County

Arapahoe 31 1405MST 0 0 Hail (0.75)

Hail 3 to 4 inches deep on ground.

### Kit Carson County

5 N Stratton 31 1415MST 0 0 Hail (1.00)

### Kit Carson County

8 NE Stratton 31 1430MST 0 0 Hail (1.75)

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## COLORADO, East Central

### **Yuma County**

10 SE Yuma

31

1520MST

0

0

Hail (0.75)

## COLORADO, South Central and Southeast

### **COZ061**

#### **Eastern San Juan Mountains**

27

1800MST

0

0

Heavy Snow

28 0600MST

An upper level disturbance brought around 10 inches of snow in the vicinity of Wolf Creek Pass. Lesser amounts occurred across lower elevations.

### **COZ061**

#### **Eastern San Juan Mountains**

30

2000MST

0

0

Heavy Snow

31 1200MST

An upper level disturbance brought over 4 inches of new snow to the Wolf Creek Pass area. Lesser amounts were recorded across lower elevations, and in the central mountains of Colorado.

## COLORADO, West

### **La Plata County**

5 W Breen to

6 NW Breen

23

1230MST

0

0

Funnel Cloud

1235MST

A funnel cloud was observed by a motorist traveling north along Colorado Highway 140 in the Fort Lewis Mesa area.

### **La Plata County**

Hesperus

23

1310MST

0

0

Hail (1.75)

1312MST

### **Dolores County**

41 E Dove Creek

23

1320MST

0

0

Hail (0.88)

1322MST

### **Montezuma County**

Mancos

23

1320MST

0

0

Hail (1.00)

1324MST

### **La Plata County**

1 W Durango

23

1400MST

0

0

Hail (0.75)

1405MST

### **La Plata County**

6 SE Durango to

6.5 SE Durango

23

1405MST

0

0

Funnel Cloud

1406MST

A large Funnel Cloud was observed by several people near Florida Mesa Elementary School.

### **Eagle County**

2 N Avon

23

1730MST

0

0

Thunderstorm Wind (G53)

1731MST

### **COZ004-009>010-013-018>019**

#### **Elkhead And Park Mountains - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys - Flattop Mountains - Northwestern San Juan Mountains - Southwestern San Juan Mountains**

30

1800MST

0

0

Winter Storm

31

2300MST

A cold and vigorous Pacific low pressure system brought heavy snow to the mountains of western Colorado. Snow accumulations of 10 to 14 inches were common, with a foot of new snow reported at the Steamboat Springs Ski Area, near Mesa Lakes Lodge on the Grand Mesa, and over Coal Bank Pass in the San Juan Mountains. In addition, 14 inches of new snow fell on Lizard Head Pass in the San Juan Mountains and at Beaver Creek Ski Area in the Central mountains.

## CONNECTICUT, Northeast

### **CTZ002**

#### **Hartford**

14

0000EST

0

0

Record Warmth

2359EST

The high temperature of 81 degrees at Bradley International Airport in Windsor Locks tied the record high for the date which was set in 1954.

### **CTZ002**

#### **Hartford**

29

0000EST

0

0

Record Cold

2359EST

The high temperature at Bradley International Airport in Windsor Locks only reached 40 degrees at 9:16 am. This tied the record low maximum temperature for the date, which was set in 1909.

## CONNECTICUT, Northwest

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## CONNECTICUT, Southern

NONE REPORTED.

## DELAWARE

### DEZ003>004

#### **Inland Sussex - Delaware Beaches**

**26 0300EST 0900EST 0 0 0 Fog**

Widespread dense fog contributed to several multi-vehicle accidents in Sussex County. The most serious accident occurred on Delaware State Route 36 just north of Delaware State Route 16 near Greenwood at 835 a.m. EDT. A school bus stopped to pick up children when it was rear ended by a pick-up truck. The force of the collision pushed the bus over the median into the northbound lanes. Two subsequent vehicles collided with the bus and the pick-up truck. A seven-year-old boy suffered a fractured vertebra. Two other children on the bus and three persons in the other vehicles suffered minor injuries. All the other drivers were charged with reckless driving. Several school districts in Sussex County had delayed openings. Three multi-vehicle accidents occurred on Delaware State Route 1 between Broadkill Hundred and Nassau. Ten vehicles were involved in the accidents, but the injuries were described as minor. The route was closed for several hours until the accidents were cleared and the fog lifted. One Sussex County unit of the Delaware State Police responded to eight accidents in a twelve hour period alone.

### DEZ001>004

#### **New Castle - Kent - Inland Sussex - Delaware Beaches**

**31 2359EST 0 0 0 Unseasonably Dry**

October 2000 was one of the driest Octobers on record across the state of Delaware. On a county weighted average, monthly precipitation totals were 0.1 inches in Kent and Sussex County and 0.5 inches in New Castle County. Normal monthly precipitation is around 3.2 inches. At the New Castle County Airport, the monthly precipitation total of 0.08 inches was the second driest October on record. It was only surpassed by October of 1924 (0.06 inches). While the dry weather did minimal agricultural damage, it left the region susceptible to brush and forest fires because of the newly fallen leave.

## DISTRICT OF COLUMBIA

NONE REPORTED.

## FLORIDA, East Central

### **Indian River County**

**Sebastian 03 1610EST 1630EST 0 0 Urban/Sml Stream Fld**

Heavy rain from a weak tropical depression dropped three to four inches of rain over southern Brevard and Indian River counties. Widespread minor roadway flooding was reported in Sebastian and in Vero Beach.

## FLORIDA, Extreme Southern

### **Monroe County**

**(Nqx)Key West Nas 01 1055EST 1108EST 0 0 Waterspout**

Waterspout observed 5 miles north of the naval air station on Boca Chica.

### **Monroe County**

**(Eyw)Key West Intl Ar 01 1329EST 1350EST 0 0 Waterspout**

Waterspout observed 4 miles west of Key West airport.

### **Monroe County**

**(Eyw)Key West Intl Ar 01 1429EST 1438EST 0 0 Waterspout**

Waterspout observed 1 mile south of Key West airport.

### **Monroe County**

**Ramrod 01 1804EST 1809EST 0 0 Waterspout**

Waterspout observed 3 miles southeast of ramrod Key.

### **Monroe County**

**Big Pine Key 05 1438EST 1443EST 0 0 Waterspout**

Waterspout observed 1 mile east of Bahia Honda State Park.

### **Monroe County**

**Summerland Key 06 1232EST 1242EST 0 0 Waterspout**

Waterspout observed 1 mile north of Cudjoe Key.

### **Monroe County**

**(Eyw)Key West Intl Ar 06 1256EST 1303EST 0 0 Funnel Cloud**

Funnel Cloud observed 3 miles northwest of Key West airport.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
FLORIDA, Extreme Southern									
Monroe County (Eyw)Key West Intl Ar	08	1307EST 1309EST			0	0			Waterspout
Waterspout observed 1 mile southeast of Key West airport.									
Monroe County (Nqx)Key West Nas	08	1332EST 1356EST			0	0			Waterspout
waterspout observed 3 miles south of Naval Air Station on Boca Chica.									
Monroe County Marathon	08	1423EST 1427EST			0	0			Waterspout
Waterspout observed 2 miles south of the 7 mile bridge.									
FLORIDA, Northeastern									
Duval County Neptune Beach	15	1600EST			0	0			Rip Currents
Two 10-year old girls were swept into the Atlantic by a strong ripcurrent. Three surfers saved them.									
FLORIDA, Northwest									
NONE REPORTED.									
FLORIDA, Southern									
Dade County 2 S South Miami to Hialeah	03	1130EST 1145EST			0	0			Thunderstorm Wind (G55)
Numerous tree limbs were blown down along a path from Pinecrest to South Miami to Hialeah.									
Dade County Hialeah	03	1200EST 1203EST	0.5	20	0	0	20K		Tornado (F1)
A tornado touched down near 41st Street and E 8th Avenue, moved north northwest, then lifted near 46th Street and E 6th Avenue. The roof of Hialeah Fire Department Station No. 2 was damaged with debris falling onto vehicles. Other damage occurred to signs and traffic signals with some trees uprooted and numerous large branches blown down.									
Dade County 2 SW Perrine	03	1435EST	0.2	5	0	0			Tornado (F0)
A SKYWARN spotter sighted a tornado in Larry and Penny Thompson Park.									
FLZ072-074		Coastal Broward - Coastal Dade							
	03	1620EST			0	0	450M	500M	Flood
	04	1200EST							
On October 2 and 3, 2000 a broad area of low pressure in the Gulf of Mexico off the southwest Florida coast moved northeast across central florida and eventually became subtropical depression number 1 then tropical storm Leslie off of the northeast Florida coast. A band of heavy rain along its southern flank became nearly stationary across southeast Florida and produced a 10-mile wide swath of 10 to 20 inches of rain in Miami-Dade and extreme southeast Broward counties. The swath was centered from Golden Beach to Opa Locka to Miami Springs to Sweetwater to West Kendall. About 2 to 3 inches of the rain fell on October 2 and another 12 inches fell during the late afternoon and evening of October 3. Flooding of poorly drained urban areas quickly followed during the evening of October 3 and lasted into midday October 4. Some flood waters lingered for up to a week. Flood damage was particularly severe in the communities of Sweetwater, West Miami, Hialeah, Opa Locka and Pembroke Park.									
An estimated 93000 houses with about 214000 persons were isolated by flood waters. Power was cut to 13000 people. There were three indirect deaths including two males who drove vehicles into canals and one man who fell from a roof while repairing a leak.									
Dade County Redland	03	1725EST	0.2	5	0	0			Tornado (F0)
A brief tornado touchdown was reported in the Redlands.									
Dade County Kendall	03	1735EST	0.2	10	0	0			Tornado (F0)
A SKYWARN spotter reported a brief tornado touchdown near Kendall Drive and the Florida Turnpike Extension.									
Dade County Hialeah	03	1741EST			0	0			Thunderstorm Wind (G50)
A SKYWARN spotter reported wind gusts of 55 to 60 mph.									
FLZ074		Coastal Dade							
	05	1950EST			0	0			Flood
Locally heavy rain in Hialeah caused road flooding and some recurrence of structure flooding after the October 3-4 flood event.									
FLZ074		Coastal Dade							
	06	1920EST			0	0			Flood

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## FLORIDA, Southern

Locally heavy rain produced street flooding in southwest Miami-Dade County.

### **Palm Beach County**

20 E Palm Beach Intl Arpt	08	1049EST			0	0			Waterspout
19 E Palm Beach Intl Arpt		1105EST							

A pilot reported a long-lived waterspout in the Atlantic.

## FLORIDA, West Central

### **Lee County**

Lehigh Acres to Ft Myers Beach	04	1445EST 1700EST			0	0	200K	0	Flood
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Heavy rainfall of eight to ten inches in less than six hours caused flooding of roadways and low-lying areas from Lehigh Acres southwest to Ft. Myers Beach in Lee county. A few homes in low-lying areas incurred water damage to the lowest levels of their homes in Lehigh Acres, San Carlos and Ft. Myers Beach. Also, several vehicles incurred water damage at low-lying intersections along U.S. Highway 41 in San Carlos Park and along State Road 82 near Lehigh Acres.

## FLORIDA, West Panhandle

### **Santa Rosa County**

5 N Oriole Beach	06	1225CST 1230CST			0	0			Waterspout
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A waterspout was reported over East Bay by a police officer driving on the new Garcon Point Bridge. The waterspout dissipated over the bay.

### **Okaloosa County**

Ocean City	06	1240CST 1245CST			0	0	5K		Thunderstorm Wind (G54) <sup>M</sup>
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A roof was blown off a vacant trailer and trees were also blown down. A wind gust of 54 knots was recorded at Duke Field.

### **Okaloosa County**

Destin	06	1750CST 1755CST			0	0			Waterspout
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A waterspout was sighted over Choctawhatchee Bay north of Destin. The waterspout dissipated over the bay.

## GEORGIA, East Central

NONE REPORTED.

## GEORGIA, Lower

### **Clinch County**

Fargo	06	1630EST			0	0	2K		Thunderstorm Wind
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Large trees were blown down.

### **Echols County**

Needmore	06	1630EST			0	0	2.5K		Thunderstorm Wind
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Large trees and power lines were blown down.

### **Coffee County**

5 NW Douglas	06	1700EST			0	0			Funnel Cloud
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## GEORGIA, North and Central

GAZ001>009-011>016- Dade - Walker - Catoosa - Whitfield - Murray - Fannin - Gilmer - Union - Towns - Chattooga - Gordon -  
019>025-027-030>039- Pickens - Dawson - Lumpkin - White - Floyd - Bartow - Cherokee - Forsyth - Hall - Banks - Jackson -  
041>062-066>076- Madison - Polk - Paulding - Cobb - North Fulton - Gwinnett - Barrow - Clarke - Oconee - Oglethorpe -  
078>086-089>098- Wilkes - Haralson - Carroll - Douglas - South Fulton - De Kalb - Rockdale - Walton - Newton - Morgan -  
102>113 Greene - Taliaferro - Heard - Coweta - Fayette - Clayton - Spalding - Henry - Butts - Jasper - Putnam -  
Hancock - Warren - Troup - Meriwether - Pike - Upson - Lamar - Monroe - Jones - Baldwin - Washington -  
Glascok - Jefferson - Harris - Talbot - Taylor - Crawford - Bibb - Twiggs - Wilkinson - Johnson - Emanuel -  
Muscogee - Chattahoochee - Marion - Schley - Macon - Peach - Houston - Bleckley - Laurens - Treutlen -  
Stewart - Webster - Sumter - Dooly - Crisp - Pulaski - Wilcox - Dodge - Telfair - Wheeler - Montgomery -  
Toombs  
01 0000EST 0 0 Drought  
31 2359EST

After a couple of months of relief from the prolonged dry conditions of the past 2 to 3 years, very dry conditions returned to north and central Georgia during October. A strong cold front moved through the state on the 6<sup>th</sup>, preceded by a line of thunderstorms. For most locations, this represented the only rain day during the month. Following the cold front, an unseasonably large and cold dome of high pressure settled over the state. A stagnant pattern in the upper-levels of the atmosphere set up thereafter which allowed the strong surface high to remain over the area for an extended period of time, essentially blocking off any significant Gulf moisture for the remainder of the month. By the end of the month, many locations were nearing records for the longest consecutive number of days without measurable rainfall.

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October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## GEORGIA, North and Central

Measurable rain fell on only one day at many locations throughout the region, with monthly rainfall less than one inch at most reporting stations. Rainfall deficits exceeding 3 inches were common across most of north Georgia, with rainfall deficits around 2 inches common in the central portion of the state. Of the four major reporting stations in north Georgia, monthly rainfall totals of only 0.23 inch were observed at Athens, 0.87 at Atlanta, 0.62 at Columbus, and 1.08 at Macon, with deficits of 3.05 inches, 2.18 inches, 1.60 inches, and 1.10 inches respectively.

### **De Kalb County**

#### **Decatur**

06 0700EST 0 0 Urban/Sml Stream Fld

The Decatur Champion newspaper reported street flooding on Trinity Place.

**GAZ001>009-011>016-019>025-027-030>039-041>062-066>076-078>086-089>098-102>113**

**Dade - Walker - Catoosa - Whitfield - Murray - Fannin - Gilmer - Union - Towns - Chattooga - Gordon - Pickens - Dawson - Lumpkin - White - Floyd - Bartow - Cherokee - Forsyth - Hall - Banks - Jackson - Madison - Polk - Paulding - Cobb - North Fulton - Gwinnett - Barrow - Clarke - Oconee - Oglethorpe - Wilkes - Haralson - Carroll - Douglas - South Fulton - De Kalb - Rockdale - Walton - Newton - Morgan - Greene - Taliaferro - Heard - Coweta - Fayette - Clayton - Spalding - Henry - Butts - Jasper - Putnam - Hancock - Warren - Troup - Meriwether - Pike - Upson - Lamar - Monroe - Jones - Baldwin - Washington - Glascock - Jefferson - Harris - Talbot - Taylor - Crawford - Bibb - Twiggs - Wilkinson - Johnson - Emanuel - Muscogee - Chattahoochee - Marion - Schley - Macon - Peach - Houston - Bleckley - Laurens - Treutlen - Stewart - Webster - Sumter - Dooley - Crisp - Pulaski - Wilcox - Dodge - Telfair - Wheeler - Montgomery - Toombs**

08 0000EST 0 0 Unseasonably Cold  
13 1000EST

A very large Canadian high pressure system settled over the southeastern United States following the cold frontal passage of the 6'th. This high pressure system brought unseasonably cold air to the state. Morning low temperatures from the 8'th through the 13'th were 20 to 25 degrees below normal, while high temperatures were 10 to 15 degrees below normal through the period. Frost was widespread across north and central Georgia, while freezing temperatures were observed in a number of cities. A number of locations in the northeast Georgia mountains recorded lows in the middle to upper 20s. Temperatures near 32 were common across north and central Georgia during this period. Many places reported their first freeze of the fall season a month or more earlier than the seasonal average.

## GEORGIA, Northeast

**GAZ010-017>018-026-028>029** **Rabun - Habersham - Stephens - Franklin - Hart - Elbert**

01 0000EST 0 0 Drought  
31 2359EST

Effects of the drought intensified as many areas received absolutely no rain during the month, setting records for the longest stretch without measurable rainfall in several locations. Wells and mountain streams continued to dry up and lake levels continued to drop. Many communities were forced to start more stringent water conservation measures.

## GEORGIA, Southeast

NONE REPORTED.

## GEORGIA, Southwest

NONE REPORTED.

## GEORGIA, West Central

NONE REPORTED.

## HAWAII

### **HIZ004**

**North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna**

01 0005HST 0 0 Flood  
0500HST

Heavy showers produced minor stream flooding and ponding of roadways from Hilo to Hawaii Volcanoes National Park. No serious injuries or property damage were reported.

### **HIZ007**

**West Hawaii Including Leeward Kohala And Kona**

02 0025HST 0 0 Flood  
0300HST

Heavy rain and showers caused minor stream flooding and ponding of roadways on the Kona side of the Big Island, from Kalaoa to Kailua-Kona town to Keauhou. No serious injuries or property damage were reported.

### **HIZ004**

**North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna**

18 1800HST 0 0 Flood  
2000HST

Frequent and heavy showers in Hilo and vicinity produced ponding of roadways and minor stream flooding. There were no reports of property damage or serious injuries.



# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>HAWAII</b>									
<b>HIZ001&gt;007</b>			<b>Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - West Hawaii Including Leeward Kohala And Kona</b>						
	22	0400HST			0	0			High Surf
	24	0200HST							
	A deep storm low far northwest of the state near the Aleutian Islands generated surf of 10 to 15 feet along the north- and northwest-facing shores of all the Hawaiian Islands.								
<b>HIZ004</b>			<b>North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna</b>						
	26	1700HST			0	0			Flood
		2300HST							
	Heavy showers caused minor stream flooding and ponding of roadways in various parts of the Hilo and Puna districts on the Big Island. No serious injuries or property damage were reported.								
<b>Maui County</b>									
<b>Hana</b>	26	2130HST			0	0			Urban/Sml Stream Fld
		2359HST							
	Heavy rainfall produced minor stream flooding and ponding of roadways in and near the town of Hana in East Maui. There were no reports of property damage or serious injuries.								
<b>Hawaii County</b>									
<b>West Portion</b>	27	1425HST			0	0			Flood
		1630HST							
	Frequent showers caused heavy soil runoff and mudslides near Waikoloa village, along with minor stream flooding and ponding of roadways. No serious injuries or property damage were reported, however								
<b>Maui County</b>									
<b>Pauwela to Hana</b>	28	1815HST			0	0			Flash Flood
		2115HST							
	Strong thunderstorms along the northeast-facing slopes of Haleakala in East Maui caused heavy runoff that affected the Hana Highway below. Maui police had to rescue several motorists surprised by the sudden deluge, especially along the roadway between Kailua and Nahiku.								
<b>Maui County</b>									
<b>Hana</b>	29	0650HST			0	0			Urban/Sml Stream Fld
		0830HST							
	Heavy rain produced minor stream flooding and ponding of roadways in East Maui, especially near Hana. No property damage or serious injuries were reported.								
<b>Honolulu County</b>									
<b>Kaneohe to Waimanalo</b>	29	1300HST			0	0			Urban/Sml Stream Fld
		1600HST							
	Showers and thunderstorms caused minor stream flooding and ponding of roadways in windward Oahu. No serious injuries or property damage were reported.								
<b>Maui County</b>									
<b>Hana</b>	29	1415HST			0	0			Urban/Sml Stream Fld
		1930HST							
	Thunderstorms and heavy showers produced minor stream flooding and ponding of roadways. There were also reports of some road damage and large boulders on country highways. However, there were no reports of serious injuries.								
<b>Maui County</b>									
<b>Waialua to 3 SW Waialua</b>	29	1548HST			0	0			Flash Flood
		1630HST							
	Heavy rain caused severe flooding of Molokai's Waialua and Kainalu streams. Ten homes were damaged in the Kainalu Valley. Bridges along the Kamehameha Highway crossing the Waialua and Kainalu streams were impassable. The water level rose 13 feet at the Waialua Bridge. A man was rescued from an inundated vehicle near Puko'o.								
<b>Kauai County</b>									
<b>Hanalei to Wailua</b>	30	0825HST			0	0			Urban/Sml Stream Fld
		1000HST							
	Heavy rain and showers caused minor stream flooding and ponding of roadways in windward sections of Kauai. No serious injuries or property damage were reported								

## IDAHO, Extreme Southeast

NONE REPORTED.

## IDAHO, North

NONE REPORTED.

## IDAHO, Northwest

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## IDAHO, Southeast

### **IDZ022**

### **South Central Highlands**

**30 2100MST**  
**31 1300MST**

**0 0**

**Heavy Snow**

Up to 8 inches of snow were reported across the Southeast Idaho Highlands.

## IDAHO, Southwest

NONE REPORTED.

## ILLINOIS, Central

### **Knox County**

**Galesburg Arpt to  
1 S Gilson**

**03 2108CST**  
**2115CST**

**0 0**

**Thunderstorm Wind (G51) <sup>M</sup>**

Several trees were blown down one mile south of Gilson.

### **Stark County**

**Wyoming**

**03 2140CST**

**0 0**

**Thunderstorm Wind (G52)**

### **Fulton County**

**1 E Little America**

**03 2200CST**

**0 0**

**0**

**Thunderstorm Wind**

A large tree was blown down across Illinois Highway 24, one mile east of Illinois Route 78.

### **Marshall County**

**Toluca**

**03 2230CST**

**0 0**

**0**

**Thunderstorm Wind**

A tree was blown over onto a car in Toluca, causing moderate damage. No injuries were reported.

### **Clay County**

**Louisville**

**04 0900CST**

**0 0**

**Hail (0.88)**

### **Shelby County**

**Countywide**

**04 2130CST**  
**05 0300CST**

**0 0**

**0**

**Flash Flood**

### **Clark County**

**Countywide**

**04 2155CST**  
**05 0500CST**

**0 0**

**0**

**Flash Flood**

### **Cumberland County**

**Countywide**

**04 2155CST**  
**05 2000CST**

**0 0**

**300K**

**Flash Flood**

### **Christian County**

**Countywide**

**05 0120CST**  
**0430CST**

**0 0**

**0**

**Flash Flood**

### **Coles County**

**Countywide**

**05 0330CST**  
**0530CST**

**0 0**

**0**

**Flash Flood**

A stationary boundary just south of the area provided a focus for widespread thunderstorms producing heavy rainfall. Radar estimates and surface reports indicated anywhere from 2 to over 6 inches of rain falling during the evening and overnight hours across the area. Numerous roads were reported to have either ponding of water on them, or were completely covered in water for a period of time. The following report were from Cumberland county, the hardest hit area in this event. North of Greenup, in Union township, a road around a bridge was washed out, causing over \$90,000 in damage. One car had to be pulled out of high water along County Highway 6. The vehicle was three-quarters submerged, but there were no injuries. In Sumpter township, the flood water scoured a hole along a culvert and under a roadway, which caved in when a truck passed over it. There were no injuries with this as well and no evacuations were needed.

## ILLINOIS, Northeast

### **Grundy County**

**Minooka**

**03 1945CST**

**0 0**

**Thunderstorm Wind (G50)**

Tree limbs and power lines were blown down.

### **La Salle County**

**1 S Oglesbey**

**03 2200CST**

**0 0**

**Thunderstorm Wind (G90)**

### **La Salle County**

**3 SE Utica**

**03 2205CST**

**0 0**

**Thunderstorm Wind (G90)**

### **La Salle County**

**Ottawa**

**03 2215CST**

**0 0**

**100K**

**Thunderstorm Wind (G90)**

A small area of very strong thunderstorms developed in west central Illinois during the early evening hours, and moved northeast at 40 mph into north central Illinois. A predominate gust front developed ahead of these storms which brought considerable winds across La Salle County. State Police estimated the winds to be 90 mph, maintaining that strength as the gust front moved across the county. Near Oglesbey a semi-tractor trailer was overturned on Interstate 39 and several secondary roads leading to Starved Rock State Park were closed due to downed trees and power lines. On the outskirts of Ottawa a 48 by 72 foot machine shed, with 17 foot walls, was destroyed as the winds moved through the area. The shed was valued at \$100,000 dollars. Local utilities reported up to 3,500 customers were without electrical power through the overnight hours.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>ILLINOIS, Northwest</b>									
<b>Henry County</b>									
Orion to Atkinson	03	2030CST 2130CST			0	0	50K		Thunderstorm Wind
Strong winds downed numerous trees, several grain bins and a corn crib along a path from Orion to Atkinson.									
<b>Henderson County</b>									
1 S Oquawka	03	2043CST			0	0			Thunderstorm Wind (G52)
Strong winds downed trees along Highway 164.									
<b>Mercer County</b>									
5 NW Preemption	03	2045CST			0	0			Thunderstorm Wind (G52)
Large tree limbs were blown down and blocked roads.									
<b>Warren County</b>									
Monmouth	03	2100CST			0	0			Thunderstorm Wind (G53)
Large tree limbs downed.									
<b>Bureau County</b>									
La Moille to Princeton	03	2125CST			0	0	200K		Thunderstorm Wind
Several fields of corn were blown over by strong winds.									
<b>Bureau County</b>									
Bureau	03	2130CST			0	0	25K		Thunderstorm Wind (G61)
Strong winds estimated at 70 mph caused considerable damage to the Village of Bureau. Trees were downed throughout the village. Windows were broken out of a house on Chicago Street. On Rock Island Street, a tree was blown down on a garage, causing the garage to collapse on a vehicle inside. Fortunately nobody was inside the vehicle at the time. Headstones in Greenwood Cemetery were damaged by fallen trees, and a local school had roof tiles and an outdoor security light blown off.									
<b>Henry County</b>									
Galva	03	2133CST			0	0			Thunderstorm Wind (G52) <sup>M</sup>
<b>Bureau County</b>									
Bureau	03	2145CST			0	0			Lightning
Lightning knocked out power to the Village of Bureau for more than 13 hours. Leepertown grade school was given an unexpected day off on Wednesday, due to the lengthy power outage.									
<b>Bureau County</b>									
2 SE Princeton	03	2155CST			0	0			Thunderstorm Wind (G61) <sup>M</sup>
<b>Putnam County</b>									
Standard	03	2157CST			0	0			Thunderstorm Wind (G80) <sup>M</sup>
92 mph wind gust measured by observation equipment at Fire Department. Numerous trees down and other damage.									
<b>Henderson County</b>									
3 S Oquawka	03	2200CST			0	0			Thunderstorm Wind (G52) <sup>M</sup>
<b>Warren County</b>									
Monmouth	03	2220CST			0	0			Thunderstorm Wind (G52)
Several trees downed on city streets. Late afternoon, a nearly stationary frontal boundary extended from surface low pressure in Central Kansas northeast through Northern Missouri and Central Illinois. Two main areas of thunderstorms developed during the late afternoon and evening. One area developed over East Central Iowa along a southward advancing cold front. A second area developed over Southeast Iowa, West Central Illinois and Northeast Missouri as the low level jet increased above the strengthening frontal boundary. Storms which developed over Southeast Iowa initially were elevated in nature and produced several reports of large hail. The storms developed or propagated into Northern Missouri and West Central Illinois along the stationary frontal boundary and became more surface based. As a result, the severe threat transitioned from large hail to damaging winds.									
<b>ILLINOIS, South</b>									
<b>Hardin County</b>									
4 N Cave In Rock	05	1652CST 1653CST	0.2	30	0	0			Tornado (F0)
A brief tornado touchdown was observed along Route 1, 4 to 5 miles north of the community of Cave-In-Rock. Due to the very remote nature of the area, within the Shawnee National Forest, no damage could be confirmed. The parent thunderstorm displayed very strong tornadic characteristics on radar									
<b>Hardin County</b>									
Lamb	05	1654CST			0	0			Hail (1.75)
Golf ball size hail covered the ground.									
<b>Pope County</b>									
Eddyville	05	1654CST			0	0			Thunderstorm Wind (G50)
Trees were down.									

## Storm Data and Unusual Weather Phenomena

Time	Path	Path	Number of	Estimated	October 2000
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**ILLINOIS, South**

## ILZ075&gt;078-080&gt;094

Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline  
- Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

09	0200CST	0	0	Frost
	0700CST			

A widespread killing frost and freeze affected southern Illinois, bringing an end to the growing season. Low temperatures were in the middle 20s.

ILZ075>078-080>094 Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline  
- Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

15	2200CST	0	0	Fog
16	0800CST			

Widespread dense fog blanketed all of southern Illinois from late evening on the 15th until the mid morning hours on the 16th. State police reported a rollover vehicle accident in the Mount Vernon area was due to the fog

## Madison County

**Collinsville**

<b>Collinsville</b>	<b>04</b>	<b>1430CST</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
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The Collinsville Police reported 3/4 inch hail on the south side side of town.

## 2.5 N Stollertown

2.5 N Stollestown	04	1515CST	0	0	30K	Hail (1.00)
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## 2.5 N Stollertown

2.5 N Stolltown	04	1515CST	0	0	10K	Lightning
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## 2.5 N Stollertown

2.5 N Stolltown	04	1515CST	0	0	210K	Thunderstorm Wind (G65)
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A severe thunderstorm caused wind and hail damage at a couple of farms north of Stolltown. A machine shed, silos and a couple of grain bins were destroyed at one farm. A couple of soybean fields were hard hit by the hail. Insurance adjusters estimated 80% of the crop to be destroyed. A lightning strike was blamed for the loss of a transformer, a pump motor, a computer and an answering machine.

## Marblehead

Marblehead	14	1657CST	0	0	Thunderstorm Wind (G52)
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Storm spotters reported trees down.

## Greene County

**1 N Linton**

1 N Linton	04	1645EST 1650EST	0	0	Hail (0.75)
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## Dugger

Dugger	04	1647EST 1652EST	0	0	Hail (1.00)
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**Putnam - Clay - Owen - Morgan - Johnson - Sullivan - Monroe**

05	0000EST	0	0	Flood
07	2300EST			

Rain of 4 to 6 inches of rain fell in West Central Indiana during the evening of the 4th and the morning of the 5th causing widespread small stream flooding across this area. This caused extensive flooding of agricultural bottomland across most of these creeks as well as numerous roads closed. A few recreational cabins were also flooded.

	Crests:	Flood Stages:
Big Walnut Creek at Reelsville	14.1	12.0
Busseron Creek near Carlisle	17.0	16.0
Eel River at Bowling Green	18.6	17.0
Mill Creek near Catactact	15.1	10.0
Salt Creek near Harrodsburg	25.4	25.0
Sugar Creek near Edinburg	12.5	9.0
White Lick Creek at Mooresville	15.6	15.0

## 2 SE Bloomington

2 SE Bloomington	05	0130EST	1	0	Flash Flood
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Heavy rain of 2 to 5 inches caused flash flooding along Moores Creek just southeast of Bloomington. A 29 year old woman was killed as her car was swept off a county road adjacent to the creek. Police determined she was able to get out of her car, but found her body was carried about a quarter mile downstream and she subsequently drowned. F29IW

## Countywide

Countywide	05	0600EST 1030EST	0	0	Urban/Sml Stream Fld
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October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
INDIANA, Central									
Decatur County									
Countywide	05	0600EST 0900EST			0	0			Urban/Sml Stream Fld
Greene County									
Countywide	05	0600EST 0900EST			0	0			Flash Flood
Johnson County									
Countywide	05	0600EST 1030EST			0	0			Flash Flood
Shelby County									
Countywide	05	0600EST 0900EST			0	0			Urban/Sml Stream Fld
Sullivan County									
Countywide	05	0600EST 0900EST			0	0			Flash Flood
Owen County									
Countywide	05	0805EST 1030EST			0	0			Flash Flood
Clay County									
Countywide	05	0850EST 1030EST			0	0			Flash Flood
Hendricks County									
Countywide	05	0850EST 1030EST			0	0			Flash Flood
Morgan County									
Countywide	05	0850EST 1030EST			0	0			Flash Flood
Putnam County									
Countywide	05	0850EST 1030EST			0	0			Flash Flood
Vigo County									
Countywide	05	0850EST 1030EST			0	0			Flash Flood
Heavy rain of 2 to 5 inches caused widespread flash flooding across parts of central Indiana with numerous roads water covered especially adjacent to small streams.									
INZ053>054-061-067>068	Owen - Morgan - Greene - Knox - Daviess								
	05 14	0700EST 0700EST			0	0			Flood
The greatest October flood to strike parts of the White River in southwest Indiana since 1926 occurred during the first half of October as 4 to 6 inches of rain across a large part of West Central and South Central Indiana on the evening of the 4th and the morning of the 5th. This flood mainly caused flooding of agricultural bottomland. A few roads also were water covered									
			Crests:	Flood Stages:					
		Near Centerton	12.7	12.0					
		Spencer	16.9	14.0					
		Worthington	22.5	18.0					
		Elliston	23.9	18.0					
		Newburry	18.1	13.0					
		Edwardsport	20.5	15.0					
		Hazleton	18.4	16.0					
INZ071	Jackson								
	05 09	2015EST 0700EST			0	0			Flood
4 to 6 inches of rain fell during the evening of the 4th and morning of the 5th across South Central Indiana causing moderate agricultural bottomland flooding and the closing of numerous county roads. In addition, many recreational cabins were isolated by water. The river crested at 16.9 feet on the early morning of October 7. Flood stage is 12 feet.									
INDIANA, Northeast									
Elkhart County									
Countywide	03	2230EST			0	0	50K		Thunderstorm Wind

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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## INDIANA, Northeast

Scattered trees were blown down across the county. A large tree fell onto a car in Goshen heavily damaging it. Another large tree was downed across C.R. 12 blocking both lanes of travel. Two Stone Lake residences suffered major structural damage to their homes when a 150 foot Oak tree was felled in the storm. The first house had its roof smashed by a large limb while the second house had its entire back wall cave in when the rest of the tree fell onto it.

## INDIANA, Northwest

NONE REPORTED.

## INDIANA, South Central

NONE REPORTED.

## INDIANA, Southeast

NONE REPORTED.

## INDIANA, Southwest

**INZ081>082-085>088**

**Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer**

<b>09</b>	<b>0200CST</b>	<b>0</b>	<b>0</b>	<b>Frost</b>
<b>10</b>	<b>0600CST</b>			

A widespread killing frost affected southwest Indiana, bringing an end to the growing season. Evansville broke the record low temperature for the date when the temperature fell to 29 degrees

**INZ081>082-085>088**

**Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer**

<b>22</b>	<b>0100CST</b>	<b>0</b>	<b>0</b>	<b>Fog</b>
	<b>0900CST</b>			

Widespread dense fog blanketed southwest Indiana during the early morning hours. Visibility was less than a quarter mile in many areas, including the official observations from Evansville Airport.

## IOWA, Central

**Pocahontas County**

<b>Havelock to 6 NE Havelock</b>	<b>13</b>	<b>1745CST</b>	<b>6</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>50K</b>	<b>5K</b>	<b>Tornado (F1)</b>
		<b>1756CST</b>							

Wagons were overturned in Pocahontas County before the tornado moved into Palo Alto County.

**Pocahontas County**

<b>5 N Pocahontas</b>	<b>13</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>	<b>20K</b>	<b>5K</b>	<b>Thunderstorm Wind (G61)</b>
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**Palo Alto County**

<b>9 SW West Bend to 3 SW West Bend</b>	<b>13</b>	<b>1756CST</b>	<b>6</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>30K</b>	<b>5K</b>	<b>Tornado (F1)</b>
		<b>1807CST</b>							

Numerous trees toppled as this tornado moved in from Pocahontas County and lifted southwest of West Bend.

**Palo Alto County**

<b>3 E Mallard</b>	<b>13</b>	<b>1810CST</b>			<b>0</b>	<b>0</b>	<b>40K</b>	<b>5K</b>	<b>Thunderstorm Wind (G61)</b>
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**Kossuth County**

<b>Algona</b>	<b>13</b>	<b>1813CST</b>			<b>0</b>	<b>0</b>		<b>1K</b>	<b>Hail (0.75)</b>
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**Kossuth County**

<b>Algona</b>	<b>13</b>	<b>1834CST</b>			<b>0</b>	<b>0</b>	<b>5K</b>	<b>1K</b>	<b>Thunderstorm Wind (G52)</b>
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A strong southerly flow of air was established over Iowa with near record high temperatures over much of the state. A low pressure moved northeast, passing northwest of the state. A cold front trailing from the low moved into the state toward sunset. Deeper moisture moved into the state just as the front moved in. A line of thunderstorms formed along the front. They became super cellular rather quickly, though the intense storms did not last very long. They produced high winds and some hail as they moved through. One tornado developed over Pocahontas County and moved northeast into Palo Alto County. The tornado passed over open country for the most part. Several wagons were overturned on one farm northeast of Havelock in Pocahontas County. Reports southwest of West Bend in Palo Alto County indicated damage limited to trees for the most part. After overturning several wagons over in Pocahontas County, this tornado crossed into Pocahontas County, where only trees were toppled. The tornado lifted just southwest of West Bend in Palo Alto County. The storms weakened quickly after sunset and continued to move east across the state.

## IOWA, East Central and Southeast

**Jefferson County**

<b>3 N Fairfield</b>	<b>03</b>	<b>1528CST</b>			<b>0</b>	<b>0</b>			<b>Lightning</b>
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Lightning set a field on fire.

**Louisa County**

<b>1 W Morning Sun</b>	<b>03</b>	<b>1652CST</b>			<b>0</b>	<b>0</b>			<b>Lightning</b>
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Lightning set a telephone pole on fire.

**Linn County**

<b>Cedar Rapids</b>	<b>03</b>	<b>1740CST</b>			<b>0</b>	<b>0</b>			<b>Lightning</b>
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Lightning struck a line that tripped a breaker at the Linn-Mar substation. Power was knocked out for a few hours to 1,700 homes and businesses in Cedar Rapids and Marion.

# Storm Data and Unusual Weather Phenomena

October 2000

									October 2000
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<u>IOWA, East Central and Southeast</u>									
<b>Jefferson County</b>									
1 NE Perlee	03	1940CST			0	0			Hail (0.75)
<b>Henry County</b>									
2 W Trenton	03	2005CST			0	0			Hail (0.88)
Hail the size of nickels covered the ground.									
<b>Henry County</b>									
1 N Mt Pleasant	03	2010CST			0	0			Hail (0.75)
<b>Des Moines County</b>									
West Burlington	03	2030CST			0	0			Thunderstorm Wind (G52)
Several 9 to 10 inch tree limbs downed.									
Late afternoon, a nearly stationary frontal boundary extended from surface low pressure in Central Kansas northeast through Northern Missouri and Central Illinois. Two main areas of thunderstorms developed during the late afternoon and evening. One area developed over East Central Iowa along a southward advancing cold front. A second area developed over Southeast Iowa, West Central Illinois and Northeast Missouri as the low level jet increased above the strengthening frontal boundary. The thunderstorms which developed along the advancing cold front were well removed from any surface based instability over Northern Missouri, but were strong enough to produce vivid lightning, heavy rain and several reports of pea size hail in Jones and Linn Counties. Storms which developed over Southeast Iowa initially were elevated in nature and produced several reports of large hail. The storms developed or propagated into Northern Missouri and West Central Illinois along the stationary frontal boundary and became more surface based. As a result, the severe threat transitioned from large hail to damaging winds.									
<u>IOWA, Northeast</u>									
NONE REPORTED.									
<u>IOWA, Northwest</u>									
<b>Buena Vista County</b>									
6 NE Storm Lake	13	1710CST			0	0			Thunderstorm Wind (G56)
Thunderstorm winds caused tree damage, including a large and healthy tree blown down.									
<u>IOWA, Southwest</u>									
<b>Monona County</b>									
4 W Onawa	03	1632CST			0	0			Hail (1.50)
Hail...some as large as 1.5 inches in diameter, covered the ground near Onawa.									
<b>Harrison County</b>									
Modale	13	1810CST			0	0	100K		Hail (0.88)
A hailstorm, with some stones approaching one inch in diameter, destroyed around 500 acres of soybean crops near Modale.									
<b>Mills County</b>									
3 SSE Glenwood to .5 E Glenwood	31	2008CST 2012CST	2.5	70	0	0	40K		Tornado (F1)



Trailer damage

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## IOWA, Southwest

A tornado touched down around 3 miles south southeast of Glenwood Iowa and tracked to just east of town before lifting. The tornado badly damaged a trailer home 1 mile east of Glenwood, and also blew some power poles onto a railroad track which were then run over by a train knocking power out to residents near Glenwood. A large Vinyl Fence was also destroyed, and part of a roof of another house was damaged.

## KANSAS, East

<b>Cloud County</b>									
Jamestown	13	1740CST			0	0			Hail (0.75)
<b>Republic County</b>									
2 S Belleville	13	1753CST			0	0			Hail (1.00)
<b>Republic County</b>									
Belleville	13	1800CST			0	0			Hail (0.75)
<b>Republic County</b>									
Narka	13	1814CST			0	0			Hail (0.75)
<b>Marshall County</b>									
Home	14	1610CST			0	0			Hail (0.75)
<b>Marshall County</b>									
Home	14	1613CST			0	0			Hail (0.88)
<b>Marshall County</b>									
2 NNW Beattie	14	1620CST			0	0			Hail (0.88)
<b>Marshall County</b>									
7 WSW Marysville	14	1652CST			0	0			Hail (0.75)
<b>Morris County</b>									
8 NNE Council Grove	14	2045CST			0	0			Hail (0.75)
<b>Wabaunsee County</b>									
7 SW Eskridge	14	2050CST			0	0			Hail (0.75)
<b>Wabaunsee County</b>									
3 W Harveyville	14	2118CST			0	0			Hail (0.75)
<b>Jefferson County</b>									
1 SE Buck Creek	14	2145CST			0	0			Hail (0.88)
Thunderstorms developed over northeast Kansas late in the afternoon of the 14th and continued into the evening hours. Some of the thunderstorms became severe and produced large hail									
<b>Republic County</b>									
1 W Norway	31	1445CST			0	0			Hail (0.88)
<b>Marshall County</b>									
1 E Blue Rapids	31	1447CST			0	0			Hail (0.88)
<b>Marshall County</b>									
1 E Blue Rapids	31	1447CST			0	0			Thunderstorm Wind (G52)
<b>Pottawatomie County</b>									
4 N Olsburg	31	1458CST			0	0			Hail (0.75)
<b>Marshall County</b>									
6 SW Frankfort	31	1500CST			0	0			Hail (0.75)
<b>Marshall County</b>									
Frankfort	31	1530CST			0	0			Hail (0.75)
<b>Marshall County</b>									
1 N Oketo	31	1535CST			0	0			Hail (1.50)
<b>Marshall County</b>									
Frankfort	31	1555CST			0	0			Hail (1.00)
<b>Nemaha County</b>									
9 NW Seneca	31	1620CST			0	0			Hail (0.75)

Thunderstorms developed over northeast Kansas the afternoon of the 31st and moved to the east. A few became severe and produced large hail and strong winds.

## KANSAS, Extreme Southeast

NONE REPORTED.

## KANSAS, North Central

<b>KSZ005&gt;007-017&gt;019</b>	<b>Phillips - Smith - Jewell - Rooks - Osborne - Mitchell</b>								
08	0000CST				0	0	0	0	Extreme Cold
09	1400CST								

After a week of record warmth, record cold descended upon north-central Kansas and brought to an end the 2000 growing season. For two



# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<b>KANSAS, North Central</b>									
consecutive mornings, record or near record low temperatures were recorded. Some of the coldest readings included 22 at Beloit and 18 at Phillipsburg.									
<b>Mitchell County</b>									
<b>Beloit</b>	13	1713CST			0	0	0	0	Hail (0.75)
<b>Mitchell County</b>									
<b>1 SW Scottsville</b>	13	1727CST			0	0	0	0	Hail (0.75)
<b>KANSAS, Northeast</b>									
<b>KSZ025-057-060-102&gt;105</b>	<b>Atchison - Miami - Linn - Doniphan - Leavenworth - Wyandotte - Johnson</b>								
	06	0000CST			0	0			Extreme Cold
	10	0800CST							
Unusually strong Arctic high pressure built southward into the central Plains in early October, bringing 4 days of record breaking cold to northeast Kansas. High temperatures did not break the 50 degree mark on October 6th through 8th, and low temperatures dropped into the 20s each day from the 7th through the 9th. After starting the day near freezing on October 10, temperatures finally rebounded into the 60s that afternoon.									
<b>KANSAS, Northwest</b>									
<b>Greeley County</b>									
<b>15 W Tribune</b>	03	1740MST			0	0			Hail (0.75)
<b>Gove County</b>									
<b>8 S Gove to 6 S Gove</b>	28	1220CST 1225CST	2	75	0	0			Tornado (F1)
Tornado completely destroyed mobile home. Fences were torn out, and 2 utility poles were broken off along Highway 23.									
<b>Gove County</b>									
<b>Gove to 1 N Gove</b>	28	1230CST 1234CST	1	75	0	0			Tornado (F1)
Tornado touched down on northwest edge of town. Small barn had roof torn off, debris in adjacent field, and windmill destroyed. Also, some large tree limbs down in town.									
<b>Gove County</b>									
<b>4 S Grainfield</b>	28	1239CST			0	0			Thunderstorm Wind (G65)
Old wooden bridge railing torn off by winds. In addition, shingles torn off barn and house, as well as a few utility poles leaning to one side.									
<b>Sheridan County</b>									
<b>9 S Hoxie to 8 S Hoxie</b>	28	1256CST 1259CST	1	50	0	0			Tornado (F0)
Damage to utility poles from tornado. No other damage reported.									
<b>Greeley County</b>									
<b>6 NNW Horace</b>	28	1435MST			0	0			Thunderstorm Wind (G52)
<b>Wallace County</b>									
<b>1 E Weskan</b>	28	1450MST			0	0			Thunderstorm Wind (G52)
<b>Graham County</b>									
<b>5 E St Peter</b>	28	1532CST			0	0			Hail (0.75)
Occurred with tornado.									
<b>Graham County</b>									
<b>5 E St Peter</b>	28	1532CST	0.7	50	0	0			Tornado (F0)
Brief tornado with no noticable damage.									
<b>Sherman County</b>									
<b>4 SSW Goodland</b>	28	1532MST			0	0			Thunderstorm Wind (G52)
<b>Wallace County</b>									
<b>16 NNE Sharon Spgs</b>	28	1536MST			0	0			Thunderstorm Wind (G52)
<b>Graham County</b>									
<b>5 SE Morland</b>	28	1550CST	0.5	50	0	0			Tornado (F0)
Brief tornado.									
<b>Cheyenne County</b>									
<b>13 SW St Francis</b>	28	1645CST			0	0			Thunderstorm Wind (G52)
<b>Norton County</b>									
<b>10 W Norton</b>	28	1651CST	0.5	50	0	0			Tornado (F0)
Brief tornado with no noticable damage.									
<b>Norton County</b>									
<b>9 WNW Norton</b>	28	1658CST			0	0			Thunderstorm Wind (G52)

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property Crops	Character of Storm
<b>KANSAS, Northwest</b>								
<b>Rawlins County</b>								
Atwood to 2 E Atwood	28	1911CST			0	0		Thunderstorm Wind (G70)
								Winds uprooted many trees, blew away a chicken house, and other debris was scattered across a farmstead. The damaging winds affected the east end of Atwood as reported by a trained spotter.
<b>Wallace County</b>								
13.5 NNW Weskan to 18 N Weskan	31	1415MST 1431MST	5	225	0	0		Tornado (F1)
								Large tornado as it approached Wallace-Sherman County Line. A few utility poles were ripped out by tornado.
<b>Sherman County</b>								
14 SSW Ruleton to 7 S Ruleton	31	1432MST 1451MST	7	250	0	0		Tornado (F2)
								Tornado destroyed abandoned house and garage as it entered southwest Sherman County. Tornado also ripped out utility poles and trees. It was likely the widest just after crossing the county line, and was briefly described as an "elephant trunk" tornado.
<b>Sherman County</b>								
14 S Kanorado	31	1437MST			0	0		Hail (1.75)
<b>Sherman County</b>								
2 W Ruleton	31	1448MST			0	0		Hail (0.88)
<b>Sherman County</b>								
4.5 S Ruleton to 4 S Ruleton	31	1454MST	0.5	100	0	0		Tornado (F1)
								Tornado touched down on farmstead and took off the roof of a sheep barn, flipped a trailer, destroyed a small buildings, and broke some windows. In addition, the tornado tore out trees, fences, and a utility pole. No one was injured at the residence.
<b>Sherman County</b>								
1 W Ruleton	31	1500MST			0	0		Hail (1.75)
<b>Sherman County</b>								
3 NNW Caruso	31	1501MST 1502MST	0.5	100	0	0		Tornado (F0)
								Brief tornado in open field causing no damage.
<b>Thomas County</b>								
2 E Mingo	31	1510CST			0	0		Hail (1.75)
<b>Thomas County</b>								
1 N Mingo	31	1513CST			0	0		Hail (0.75)
<b>Thomas County</b>								
5 E Mingo	31	1516CST	0.3	50	0	0		Tornado (F0)
								Brief tornado that caused no damage.
<b>Thomas County</b>								
3 SE Gem	31	1524CST			0	0		Hail (1.00)
<b>Thomas County</b>								
4 N Rexford	31	1553CST 1554CST	0.5	75	0	0		Tornado (F0)
								Tornado developed near Thomas-Sheridan County Line, but no damage reported.
<b>Sheridan County</b>								
6 W Selden	31	1555CST 1559CST	2	75	0	0		Tornado (F0)
								Tornado moved through extreme northwest corner of Sheridan County.
<b>Decatur County</b>								
13.5 SW Oberlin	31	1600CST			0	0		Hail (1.00)
<b>Decatur County</b>								
18.5 SSW Oberlin to 16 SSW Oberlin	31	1600CST 1605CST	2.5	75	0	0		Tornado (F0)
								Tornado dissipated shortly after entering southwest Decatur County.
<b>Greeley County</b>								
9 E Tribune	31	1615MST			0	0		Hail (1.00)
<b>Cheyenne County</b>								
12 S Wheeler	31	1620CST			0	0		Hail (1.25)
<b>Decatur County</b>								
Oberlin	31	1620CST			0	0		Funnel Cloud
								Funnel sighted just above town.
<b>Wallace County</b>								
2 NW Wallace	31	1620MST			0	0		Hail (0.75)

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<b><u>KANSAS, Northwest</u></b>									
<b>Sherman County</b>									
12 SSE Edson	31	1631MST			0	0			Hail (0.75)
<b>Decatur County</b>									
8 NE Oberlin to 12 NE Oberlin	31	1638CST 1643CST	4	125	0	0			Tornado (F1)
Tornado tore off several roofs, including a patio, machine shed, and calf barn. Tornado lifted shortly before crossing the State Line.									
<b>Logan County</b>									
4 W Oakley	31	1648CST			0	0			Hail (0.75)
<b>Sherman County</b>									
3 E Edson	31	1649MST	0.3	50	0	0			Tornado (F0)
Brief tornado crossed Interstate 70, and was also sighted by Law Enforcement.									
<b>Cheyenne County</b>									
5 N Wheeler	31	1700CST			0	0			Hail (1.00)
<b>Cheyenne County</b>									
12 N Bird City	31	1725CST			0	0			Hail (1.00)
<b>Logan County</b>									
8 NW Mc Allaster	31	1725CST			0	0			Hail (1.00)
<b>Thomas County</b>									
5 SE Brewster	31	1745CST			0	0			Hail (0.75)
<b>Thomas County</b>									
Brewster	31	1750CST			0	0			Funnel Cloud
Funnel spotted from Brewster, but was likely located across county line.									
<b>Thomas County</b>									
Levant	31	1751CST			0	0			Hail (1.00)
<b>Rawlins County</b>									
12 S Atwood to 12 SSE Atwood	31	1815CST	0.7	75	0	0			Tornado (F0)
Brief tornado turned over grain trailers, broke tractor windows, moved a concrete wall, and tore out a garage door. No one was injured on the farmstead.									
<b><u>KANSAS, Southeast</u></b>									
<b>Barton County</b>									
1 S Hoisington	13	1600CST			0	0			Hail (0.88)
<b>Barton County</b>									
4 E Hoisington	13	1608CST			0	0			Hail (1.00)
<b>Russell County</b>									
5 N Dorrance	13	1730CST			0	0			Hail (0.75)
<b>Russell County</b>									
5 N Dorrance	13	1732CST			0	0			Hail (1.00)
<b>Reno County</b>									
10 SE Haven	13	2020CST			0	0	2K		Thunderstorm Wind (G56)
Roof blown off a metal shed.									
<b>Sedgwick County</b>									
Maize	13	2032CST 2037CST			0	0			Thunderstorm Wind (G60) <sup>M</sup>
KSN Weather Lab, Maize High School, recorded gusts of 53-60kts.									
<b>Sedgwick County</b>									
Wichita	13	2047CST			0	0			Thunderstorm Wind (G56) <sup>M</sup>
<b><u>KANSAS, Southwest</u></b>									
<b>Kearny County</b>									
23 NNW Lakin	03	1930CST			0	0			Hail (1.75)
Hail left holes in the ground.									
<b>Barber County</b>									
12 SW Medicine Lodge	13	1135CST			0	0			Hail (0.75)
<b>Ford County</b>									
8 SW Dodge City to 9 SW Dodge City	20	1735CST 1745CST	1	100	0	0			Tornado (F0)
Landspout moved southwest over open fields.									

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000								
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage Property    Crops	Character of Storm
<b><u>KANSAS, Southwest</u></b>								
<b>KSZ074-079&gt;081-088&gt;090</b>	<b>Stanton - Edwards - Kiowa - Pratt - Clark - Comanche - Barber</b>							
	<b>24</b>	<b>0900CST</b>			<b>0</b>	<b>0</b>		<b>Flood</b>
	<b>25</b>	<b>0900CST</b>						
Widespread heavy rain fell during a 24 hour period with all the listed area receiving between two and three inches of rainfall. The heaviest rains fell from southern Clark into western Barber counties where a 40 mile band of four to six inches was reported. Several reports of just over six inches were received. There was flooding across many fields and covering many open range roads. This was significant event since it was the first rain in several months.								
<b>Stafford County</b>								
<b>11 S St John</b>	<b>24</b>	<b>1730CST</b>	<b>0.4</b>	<b>40</b>	<b>0</b>	<b>0</b>		<b>Tornado (F0)</b>
		<b>1733CST</b>						
Brief tornado was witnessed by many law enforcement and EMS personnel.								
<b>Ford County</b>								
<b>7 NNW Ford to 6 NW Ford</b>	<b>25</b>	<b>1526CST</b>	<b>1.5</b>	<b>150</b>	<b>0</b>	<b>0</b>		<b>Tornado (F0)</b>
		<b>1533CST</b>						
Tornado was filmed and photographed by several storm chasers. Bottom of the circulation moved southwest due to rain-cooled outflow.								
<b>Ford County</b>								
<b>5 W Ford</b>	<b>25</b>	<b>1605CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
<b>Hodgeman County</b>								
<b>12 SE Jetmore</b>	<b>25</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
<b>Hodgeman County</b>								
<b>3 W Hanston</b>	<b>25</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
		<b>1736CST</b>						
Hail lasted 36 minutes and piled 10 inches deep on the east side of the home.								
<b>Hodgeman County</b>								
<b>4 NE Hanston</b>	<b>25</b>	<b>1700CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
		<b>1730CST</b>						
Hail lasted 30 minutes.								
<b>Meade County</b>								
<b>Meade</b>	<b>25</b>	<b>1722CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.25)</b>
<b>Meade County</b>								
<b>Meade</b>	<b>25</b>	<b>1725CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.88)</b>
<b>Hodgeman County</b>								
<b>1 SW Hanston</b>	<b>25</b>	<b>1729CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
<b>Meade County</b>								
<b>4 S Fowler</b>	<b>25</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
<b>Pawnee County</b>								
<b>1 W Larned</b>	<b>25</b>	<b>1900CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
<b>Pawnee County</b>								
<b>3 W Larned</b>	<b>25</b>	<b>1905CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.88)</b>
<b>Pawnee County</b>								
<b>4 NE Larned</b>	<b>25</b>	<b>1920CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
<b>Gray County</b>								
<b>3 E Ingalls</b>	<b>27</b>	<b>1713CST</b>	<b>0.2</b>	<b>80</b>	<b>0</b>	<b>0</b>		<b>Tornado (F0)</b>
		<b>1716CST</b>						
Transparent landspout was photographed by off duty Meteorologist.								
<b>Trego County</b>								
<b>3 SW Wakeeney</b>	<b>28</b>	<b>1512CST</b>	<b>0.4</b>	<b>70</b>	<b>0</b>	<b>0</b>		<b>Tornado (F0)</b>
		<b>1513CST</b>						
Brief tornado moved straight north.								
<b>Stevens County</b>								
<b>Hugoton</b>	<b>31</b>	<b>1745CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
<b>Stevens County</b>								
<b>Hugoton</b>	<b>31</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>
<b>Grant County</b>								
<b>Ulysses</b>	<b>31</b>	<b>1816CST</b>			<b>0</b>	<b>0</b>		<b>Hail (0.75)</b>
Reported by COOP observer.								
<b><u>KENTUCKY, Central</u></b>								
<b>Jefferson County</b>								
<b>Valley Station</b>	<b>05</b>	<b>1725EST</b>			<b>0</b>	<b>0</b>		<b>Hail (1.00)</b>

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## KENTUCKY, Central

<b>Jefferson County</b>									
Fern Creek	05	1750EST			0	0			Thunderstorm Wind (G60)
<b>Spencer County</b>									
Elk Creek	05	1805EST			0	0			Thunderstorm Wind (G60)
<b>Shelby County</b>									
3 S Shelbyville	05	1815EST			0	0			Hail (0.75)
<b>Shelby County</b>									
3.5 S Shelbyville	05	1820EST			0	0			Thunderstorm Wind (G60)
<b>Franklin County</b>									
Frankfort	05	1840EST			0	0			Thunderstorm Wind (G60)

A band of thunderstorms moved through North Central and East Central Kentucky. Thunderstorm winds downed numerous trees and power lines, and the thunderstorms produced some large hail.

## KENTUCKY, Eastern

NONE REPORTED.

## KENTUCKY, Northeast

<b>KYZ101&gt;103-105</b>	<b>Greenup - Carter - Boyd - Lawrence</b>								
	01	0000EST			0	0			Monthly Precipitation
	31	2300EST							

Most communities had only a half inch to an inch of rain during the entire month. Olive Hill had the least measured, with 0.47 of an inch.

<b>KYZ101&gt;103-105</b>	<b>Greenup - Carter - Boyd - Lawrence</b>								
	08	0300EST			0	0			Cold
		0800EST							

Temperatures at sunrise ranged from the mid 20s in outlying areas to the lower 30s near the Ohio and Big Sandy Rivers. Olive Hill was the coldest with 26 degrees.

<b>Greenup County</b>									
Warnock	21	1730EST			0	0	1K		Flash Flood
		1800EST							

A slow moving thunderstorm produced a localized downpour over Long Branch, Lost Creek, and Little White Oak Creek. Roads around the elementary school briefly flooded, leaving debris on the road. The downpour was too small to affect Tygarts Creek.

## KENTUCKY, Northern

NONE REPORTED.

## KENTUCKY, Southwest

<b>Union County</b>									
Sturgis to Sullivan	05	1700CST			0	0			Hail (1.75)
		1711CST							

Quarter to golf-ball size hail was reported in Sullivan and Sturgis.

<b>Union County</b>									
Countywide	05	1711CST			0	0	25K		Thunderstorm Wind

Trees were down across the county. Several structures were damaged.

<b>Crittenden County</b>									
Countywide	05	1715CST			0	0	10K		Thunderstorm Wind

Trees were down.

<b>Webster County</b>									
Clay to Wheatcroft	05	1720CST			0	0			Hail (1.75)

<b>Webster County</b>									
Wheatcroft to Clay	05	1720CST			0	0	30K		Thunderstorm Wind

Several buildings in the Clay and Wheatcroft areas sustained damage due to powerful thunderstorm winds. A metal roof blew off the old John Deere building in Clay, and it landed in a yard. Another metal building used to store farm equipment sustained extensive roof and wall damage.

<b>Hopkins County</b>									
Hanson	05	1742CST			0	0			Hail (0.75)
<b>Hopkins County</b>									
Anton	05	1745CST			0	0	30K		Thunderstorm Wind

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>KENTUCKY, Southwest</b>									
A barn was heavily damaged by thunderstorm winds. The trusses of the 60 by 120-foot barn were damaged, however, the contents of the barn were not damaged.									
<b>Muhlenberg County</b>									
Central City	05	1815CST			0	0	10K		Thunderstorm Wind
Trees were down, and power outages were reported.									
<b>Livingston County</b>									
Countywide	05	1830CST			0	0			Thunderstorm Wind (G50)
Tree limbs and a few trees were down.									
<b>Carlisle County</b>									
Countywide	05	1845CST			0	0			Thunderstorm Wind (G50)
Tree limbs were down. A tree fell across a road.									
<b>KYZ001&gt;022</b>									
<b>Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd</b>									
	10	0200CST 0700CST			0	0			Frost
A widespread killing frost affected western Kentucky, bringing an end to the growing season. The record low temperature of 30 degrees was tied at Paducah. Heavy frost was reported at Paducah, Hopkinsville, and Providence.									
<b>KYZ007</b>									
<b>Livingston</b>									
	11	0400CST 0700CST			0	0			Fog
Patchy dense fog resulted in at least one vehicle accident with injuries. The 3-vehicle accident occurred on U.S. Route 60 in Ledbetter, KY. A vehicle pulled from a side street into the path of another vehicle headed west on Route 60. One of the damaged vehicles was then struck by another vehicle headed east on Route 60. Five persons were injured and taken to hospitals in the Paducah area. None of the injuries was life threatening.									
<b>KYZ001&gt;022</b>									
<b>Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd</b>									
	18	0400CST 0800CST			0	0			Fog
Widespread dense fog affected most of western Kentucky, except for the Henderson and Owensboro areas. Visibility was reported to be near 500 feet in Princeton, and only about 30 feet in Hopkins County. The Mayfield post of the state police reported poor driving conditions in their area, with visibility near zero in some areas.									
<b>LOUISIANA, Northeast</b>									
NONE REPORTED.									
<b>LOUISIANA, Northwest</b>									
<b>Lincoln Parish</b>									
Ruston	05	1820CST			0	0			Hail (1.00)
<b>Union Parish</b>									
Downsville	05	1855CST			0	0			Thunderstorm Wind (G52)
Tree limbs down across power lines.									
<b>Bossier Parish</b>									
Barksdale Afb	05	2121CST			0	0			Thunderstorm Wind (G60) <sup>M</sup>
<b>Webster Parish</b>									
Heflin	05	2230CST			0	0			Hail (1.75)
Golfball sized hail fell for 20 minutes completely covering the ground and stripping vegetation.									
<b>LOUISIANA, Southeast</b>									
<b>Lafourche Parish</b>									
Lockport	06	1500CST			0	0	30K		Urban/Sml Stream Fld
Five homes sustained water damage when nearly six inches of rain fell in less than three hours.									
<b>LAZ057</b>									
<b>St. James</b>									
	16	0027CST			0	0			Fog
A combination of fog and smoke from a swamp fire contributed to a four vehicle accident on Highway 641 that resulted in the death of two people.									
<b>LOUISIANA, Southwest</b>									
NONE REPORTED.									

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## MAINE, North

### Hancock County

15 E Bar Harbor to  
40 NE Bar Harbor

08 0800EST  
1000EST

0 0

Waterspout

### Washington County

40 SW Eastport to  
10 S Eastport

08 0800EST  
1000EST

0 0

Waterspout

A weak area of low pressure in combination with unseasonably cold air passing over the still relatively warm waters of the Gulf of Maine created enough instability to produce around a dozen waterspouts about 15 miles offshore of the Downeast coastline. The waterspouts remained well offshore and did no damage before dissipating

## MEZ001-004

### Northwest Aroostook - Northern Piscataquis

09 1700EST  
10 1200EST

0 0

Winter Storm

Low pressure lifting northward offshore of the New England Coast during the 9th began moving northwestward as it approached the maritime provinces. The low lifted through New Brunswick...ending up north of Maine by the evening of the 10th.

Moisture from the storm combined with an unseasonably cold early season airmass to produce a heavy wet snow across northern and northwest Maine. The greatest storm snowfall totals generally occurred across higher terrain areas. Storm snowfall totals across northwest Maine generally ranged from 7 to 12 inches...with the greater totals across the higher mountains of Baxter State Park. Lesser snow totals of 4 to 6 inches were reported across the higher terrain of northeast Maine...with less snow at lower elevations. Snowfall across interior Downeast areas generally ranged from 2 to 6 inches...with the greater totals limited to isolated higher elevation areas. This storm marked the second earliest measurable snowfall ever for the Bangor area.

Since the storm occurred so early in the season...many trees still had most of their leaves. The combined weight of heavy snow and leaves brought down many trees and branches. Wet snow sticking to powerlines and falling trees and branches contributed to power outages across the region. Around 80 hunters and campers were briefly trapped within Baxter State Park by the snow until roads were cleared

## MEZ001>002-004>006-010>011-015

### Northwest Aroostook - Northeast Aroostook - Northern Piscataquis - Northern Penobscot - Southeast Aroostook - Southern Piscataquis - Central Penobscot - Southern Penobscot

28 1800EST  
30 0600EST

0 0

Winter Storm

Low pressure tracking offshore of the New England coast lifted toward the maritime provinces during the 28th...becoming nearly stationary across Nova Scotia that night. The low then retrogressed southwestward toward the Maine coast during the 29th...before starting a slow eastward drift through the Gulf of Maine during the 30th.

Storm snowfall totals generally ranged from 8 to 12 inches across much of northwest and extreme northern Maine. Across central and Downeast areas...snowfall totals of up to 6 to 8 inches were reported. The greatest snowfall totals with this event occurred across the higher mountains of Baxter State Park where orographic enhancement helped produce accumulations of 12 to 24 inches.

Winds gusting to 30 to 40 mph early in the event produced blowing and drifting snow. The gusty winds and heavy snow also combined to produce broken tree limbs which contributed to scattered power outages across the region.

## MAINE, South

### MEZ008

#### Northern Franklin

09 1700EST  
10 0700EST

0 0

Moderate Snowfall

### MEZ009

#### Central Somerset

09 1700EST  
10 0700EST

0 0

Heavy Snow

A deep low pressure center moved northward in the Atlantic on the 9th, then into eastern Canada on the 10th. The cold, moist flow around the low brought an early snowfall to the mountains of western Maine. Up to 9 inches of snow was reported in central Somerset County while parts of northern Franklin County reported up to 6 inches of snow.

## MEZ018>020-023>025

### Interior York - Interior Cumberland - Androscoggin - Coastal York - Coastal Cumberland - Sagadahoc

28 0700EST  
2200EST

0 0

1.2M

Strong Winds

A strong cold front moved through the region followed by a prolonged period of gusty northwest winds. The winds knocked over a battery charger at a bark mulch manufacturing operation in Windham, sparking a fire that caused an estimated \$1.2 to \$1.5 million in damages to a storage building and equipment. Winds gusted to 45 mph (measured) in Portland, and 44 mph (measured) in Lewiston.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## MAINE, South

**MEZ007>009**

**Northern Oxford - Northern Franklin - Central Somerset**

**29 0000EST**

**0 0**

**Heavy Snow**

**30 2300EST**

**MEZ012>014-021>022**

**Southern Oxford - Southern Franklin - Southern Somerset - Kennebec - Interior Waldo**

**29 0000EST**

**0 0**

**Moderate Snowfall**

**30 0700EST**

Low pressure that developed off the southeastern U.S. coast on the 27th moved slowly northeastward on the 28th and 29th as colder air began filtering into the area following the passage of a cold front early on the 28th. Moisture from the Atlantic low caused moderate to heavy snow to occur in the mountains and foothills of Maine from Sunday, the 29th, into Monday, the 30th. Snowfall amounts ranged from 10 to 15 inches in the mountains where the snow lingered into Monday night to generally 3 to 6 inches in the foothills. Interior sections of the coastal counties received about 1 to 3 inches Sunday.

**MEZ023>028**

**Coastal York - Coastal Cumberland - Sagadahoc - Lincoln - Knox - Coastal Waldo**

**30 1600EST**

**0 0**

**Strong Winds**

**31 0100EST**

An ocean storm east of Cape Cod produced strong and gusty, northeast winds along the coast. The wind downed trees and limbs onto power lines causing scattered power outages in York, Eliot, and South Berwick. Fallen trees damaged a house and two vehicles in Rockland. Winds gusted to 41 mph (measured) in Rockland and Portland.

## MARYLAND, Central

NONE REPORTED.

## MARYLAND, Northeast

**MDZ015-019>020**

**Queen Annes - Talbot - Caroline**

**26 0300EST**

**0 0**

**0**

**Fog**

**0900EST**

Widespread dense fog caused two hour delayed openings for schools in Caroline and Queen Anne's County and canceled school for the entire day in Talbot County.

**MDZ008-012-015-019>020**

**Cecil - Kent - Queen Annes - Talbot - Caroline**

**31 2359EST**

**0 0**

**0**

**Unseasonably Dry**

October 2000 was one of the driest Octobers and month on record for the Maryland Eastern Shore. On a county weighted average monthly precipitation totals ranged from 0 (zero) in Caroline County to 0.4 inches in Cecil County. Normal monthly precipitation is around 3.1 inches. While the dry weather did minimal agricultural damage, it left the region susceptible to brush and forest fires because of the newly fallen leaves

## MARYLAND, South

NONE REPORTED.

## MARYLAND, West

NONE REPORTED.

## MASSACHUSETTS, Central and East

**MAZ015**

**Suffolk**

**09 0000EST**

**0 0**

**Record Cold**

**2359EST**

The high temperature at Logan International Airport in Boston only reached 43 degrees at 239 pm. This broke a long standing record for the lowest maximum temperature for the date, which was 49 degrees set in 1895.

**MAZ016**

**Eastern Norfolk**

**14 0000EST**

**0 0**

**Record Warmth**

**2359EST**

The high temperature of 79 degrees at the Blue Hill Observatory in Milton, recorded around 2 pm, broke the previous record high for the date which was 78 degrees set in 1930 and 1954.

**MAZ003>005-007-016-022-024**

**Eastern Franklin - Northern Worcester - Western Middlesex - Eastern Essex - Eastern Norfolk - Barnstable - Nantucket**

**28 1200EST**

**0 0**

**Strong Wind**

**2100EST**

An intensifying storm system moving away from the East Coast combined with a strong cold front pushing across New England to bring strong winds to much of eastern Massachusetts. The strongest winds were felt along the coast, and over the higher terrain of the interior. Wind gusts of 45 to 55 mph were common in these areas.

The strong winds downed several telephone poles on Route 1 in Lynnfield, resulting in a road closure, and causing about 1,200 customers to lose power. Several trees were downed in Littleton, causing power outages. Other trees and power lines were reported down in Petersham and Southwick.



# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## MASSACHUSETTS, Central and East

**MAZ012-015**

**Southern Worcester - Suffolk**

**30 0000EST  
2359EST**

**0**

**0**

**Record Cold**

The high temperature at Worcester Regional Airport only reached 34 degrees at 8:47 am. This broke the record for the lowest maximum temperature for the date, which was 38 degrees set in 1952. In addition, the high of 34 degrees tied the record low maximum for the month, which was set on October 30, 1925.

At Logan International Airport in Boston, the high temperature only reached 40 degrees at 10:09 am, which broke the record for the lowest maximum temperature for the date. The previous record was 43 degrees set in 1952.

**MAZ019-022**

**Eastern Plymouth - Barnstable**

**31 0700EST  
1800EST**

**0**

**0**

**Strong Wind**

A storm system well off the New England coast brought a period of strong winds to coastal Plymouth County and the outer tip of Cape Cod. Frequent gusts to 48 mph were reported in Plymouth, while in Provincetown, sustained winds averaged 25 to 35 mph for most of the day.

## MASSACHUSETTS, West

NONE REPORTED.

## MICHIGAN, East

**MIZ047>049-053>055-**

**Midland - Bay - Huron - Saginaw - Tuscola - Sanilac - Shiawassee - Genesee - Lapeer - St. Clair -**

**060>063-068>070-**

**Livingston - Oakland - Macomb - Washtenaw - Wayne - Lenawee - Monroe**

**075>076-082>083**

**07 0100EST  
08 2300EST**

**0**

**0**

**Snow**

An unusual early October cold blast brought one of the earliest snowfalls on record to southeast Michigan. Wet snowflakes fell in Flint on both the 7th and 8th, while snow was observed at Detroit Metro Airport on the 8th only. For Detroit, this was the third earliest snowfall on record, going back 130 years (the earliest was October 1st, 1974). While the snow only fell in trace amounts in the major metropolitan areas, more substantial snow was observed in the Thumb area. One to two inches of slushy snow contributed to auto accidents in Huron County.

**MIZ047>048-053**

**Midland - Bay - Saginaw**

**25 0300EST  
1100EST**

**0**

**0**

**Fog**

Dense fog formed in the Tri Cities area during the early morning hours, dropping visibilities to an eighth of a mile at MBS International Airport. Several school districts in the area delayed the start of classes that morning, and most of the morning flights out of MBS were cancelled.

**MIZ063-068>070-**

**St. Clair - Livingston - Oakland - Macomb - Washtenaw - Wayne - Monroe**

**075>076-083**

**26 0300EST  
1100EST**

**0**

**0**

**Fog**

On this morning, the dense fog was found in metro Detroit. The fog caused significant headaches for morning commuters, and delayed dozens of flights at Detroit Metropolitan Airport.

## MICHIGAN, Extreme Southwest

NONE REPORTED.

## MICHIGAN, North

NONE REPORTED.

## MICHIGAN, Upper

**MIZ002-005-009**

**Ontonagon - Marquette - Gogebic**

**06 0500EST  
07 1600EST**

**0**

**0**

**Heavy Snow**

An early season outbreak of cold Canadian air pushed across the relatively warm waters of Lake Superior. Away from the lake, rain turned to snow early on the 6th. As the southerly flow of colder air continued, lake effect snow began in earnest on the night of the 6th and during the day on the 7th over the high terrain in portions of west and central Upper Michigan. Bergland reported 8 inches of snow, 10 inches was recorded at Wakefield, 9 inches in Champion and almost 10 inches at the National Weather Service office in Negaunee. The 9.8 inches of snow on the 7th set a daily record at the NWS office and also set a record for the largest snowfall amount so early in the season.

**Ontonagon County**

**13 WSW Silver City**

**20 1230EST  
22 1700EST**

**0**

**0**

**Wild/Forest Fire**

Unseasonably warm temperatures and moderate drought conditions after October 18 set the stage for wildfires in western Upper Michigan. The Carp River fire was discovered in the Porcupine Mountains Wilderness State Park on October 20. Officials believe the wildfire resulted

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## MICHIGAN, Upper

from lightning on the evening of October 7, followed by days of smouldering. After burning 1,220 acres, the fire was fully contained on October 22 by ground crews using hand tools. Daily monitoring indicated smouldering continuing through November 10. The fire was confined to the under story, in a wilderness area comprised of bogs and high, rocky outcrops, which lacked viable access points and posed no threat to people or private property. Officials consider this wildfire beneficial because it removed under story combustibles with minimal damage to mature trees and it provided research opportunities in ecosystems and natural disturbances.

## MICHIGAN, West

NONE REPORTED.

## MINNESOTA, Central and South Central

NONE REPORTED.

## MINNESOTA, Northeast

NONE REPORTED.

## MINNESOTA, Northwest

NONE REPORTED.

## MINNESOTA, Southeast

NONE REPORTED.

## MINNESOTA, Southwest

NONE REPORTED.

## MINNESOTA, West

NONE REPORTED.

## MINNESOTA, West Central

NONE REPORTED.

## MISSISSIPPI, Central

### Hinds County

Byram	06	0630CST	0	0	2K	Tstm Wind/Hail
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Gusty thunderstorm winds caused the awning of a gas station to blow over, but with no other damage or downed trees reported in the area, winds were estimated to be non-severe.

### Rankin County

Brandon	06	0630CST	0	0	2K	Tstm Wind/Hail
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Several tree limbs and a couple of small trees were blown down, and fallen limbs knocked down several power lines. A few road signs were damaged. Personnel at the fire department estimated non-severe winds of 35 - 40 mph with this storm.

### Lincoln County

15 SE Brookhaven	06	0825CST	0	0	2K	Thunderstorm Wind
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Several trees were blown down, including one tree that was blocking a road.

### Covington County

Collins	06	0845CST	0	0	3K	Thunderstorm Wind
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Several trees were blown down. The only significant damage reported was for power lines that were knocked down by fallen trees or large limbs.

### Smith County

Countywide	06	0848CST 0915CST	0	0	2K	Thunderstorm Wind
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A number of trees were blown down.

### Jones County

Countywide	06	0900CST	0	0	15K	Thunderstorm Wind
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There were numerous reports of downed trees and large limbs across the county. The worst damage occurred when a large tree crushed the roof of a mobile home and caused significant damage.

### Forrest County

Hattiesburg to Petal	06	0930CST	0	0	3K	Tstm Wind/Hail
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A few trees were blown down from the gust front ahead of a line of thunderstorms. The Civil Defense director estimated non-severe winds of 35 to 40 miles per hour with the gust front.

### Lamar County

Oak Grove	06	0945CST	0	0	10K	Tstm Wind/Hail
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# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## MISSISSIPPI, Central

Strong winds with a gust front caused a tree to fall on a house, which caused some damage. The civil defense director estimated non-severe winds of around 30 - 35 mph.

## MISSISSIPPI, North

NONE REPORTED.

## MISSISSIPPI, South

### **Amite County**

<b>Peoria</b>	<b>06</b>	<b>0925CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
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A trained spotter sighted a funnel cloud.

### **Harrison County**

<b>Biloxi</b>	<b>06</b>	<b>1152CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
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A funnel cloud was sighted by the public over Biloxi Bay.

### **Hancock County**

<b>Bay St Louis</b>	<b>06</b>	<b>1155CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
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A funnel cloud was observed just south of the Bay St. Louis bridge.

### **Jackson County**

<b>Moss Pt</b>	<b>06</b>	<b>1208CST</b>			<b>0</b>	<b>0</b>			<b>Funnel Cloud</b>
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A funnel cloud was observed in the Moss Point and Pascagoula areas.

### **Harrison County**

<b>D Iberville</b>	<b>06</b>	<b>1230CST</b>			<b>0</b>	<b>0</b>	<b>1.5K</b>		<b>Thunderstorm Wind</b>
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Several trees were blown down.

## MISSISSIPPI, Southeast

NONE REPORTED.

## MISSOURI, East

### **St. Charles County**

<b>St Charles</b>	<b>04</b>	<b>1357CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.75)</b>
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Storm spotters reported golfball size hail at Highway 370 and Truman Road.

### **St. Louis County**

<b>Florissant</b>	<b>04</b>	<b>1405CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
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The general public reported 3/4 inch hail in Florissant.

### **St. Charles County**

<b>3 N St Charles</b>	<b>04</b>	<b>1410CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.88)</b>
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The general public reported nickel size hail covering the ground north of St. Charles.

### **St. Louis County**

<b>Spanish Lake</b>	<b>04</b>	<b>1410CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
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Storm spotters reported 1 inch hail.

### **Gasconade County**

<b>Drake</b>	<b>04</b>	<b>1845CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
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The County Sheriff reported 1 inch hail.

### **Shelby County**

<b>2 N Lentner</b>	<b>14</b>	<b>1602CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G53)</b>
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Thunderstorm wind gusts downed power lines in the Lentner area.

## MISSOURI, Lower

NONE REPORTED.

## MISSOURI, Northeast

### **Clark County**

<b>Kahoka</b>	<b>03</b>	<b>2202CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G52)</b>
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Several trees downed.

### **Scotland County**

<b>Gorin</b>	<b>03</b>	<b>2312CST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.25)</b>
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Late afternoon, a nearly stationary frontal boundary extended from surface low pressure in Central Kansas northeast through Northern Missouri and Central Illinois. Two main areas of thunderstorms developed during the late afternoon and evening. One area developed over East Central Iowa along a southward advancing cold front. A second area developed over Southeast Iowa, West Central Illinois and Northeast Missouri as the low level jet increased above the strengthening frontal boundary. Storms which developed over Southeast Iowa initially were elevated in nature and produced several reports of large hail. The storms developed or propagated into Northern Missouri and West Central Illinois along the stationary frontal boundary and became more surface based. As a result, the severe threat transitioned from large hail to damaging winds.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
Killed	Injured	Property	Crops						
MISSOURI, Northwest									
Mercer County									
6 S Ravanna	03	2000CST			0	0			Hail (1.00)
Putnam County									
Lemons	03	2105CST			0	0			Hail (1.25)
Putnam County									
Lemons	03	2105CST			0	0			Thunderstorm Wind (G52)
Walnut size hail and 60 mph wind gusts were reported by the public.									
Bates County									
Foster	04	2300CST			0	0			Hail (1.00)
MOZ001>008-011>017-020>025-028>033-037>040-043>046-053>054									
Atchison - Nodaway - Worth - Gentry - Harrison - Mercer - Putnam - Schuyler - Holt - Andrew - De Kalb - Daviess - Grundy - Sullivan - Adair - Buchanan - Clinton - Caldwell - Livingston - Linn - Macon - Platte - Clay - Ray - Carroll - Chariton - Randolph - Jackson - Lafayette - Saline - Howard - Cass - Johnson - Pettis - Cooper - Bates - Henry									
06	0000CST				0	0			Extreme Cold
10	0800CST								
An unusually strong early season Arctic high pressure system built into the central Plains on October 6-10. Temperatures did not climb out of the 40s on October 6-8. Lows dropped below freezing for 5 consecutive days, and record low temperatures in the 20s were established at both Kansas City and St. Joseph on the 7th, 8th, and 9th. Temperatures finally recovered on the afternoon of the 10th.									
Platte County									
Camden Pt	14	1233CST			0	0	100K		Thunderstorm Wind (G60)
Numerous trees and power lines were downed by thunderstorm winds. Four homes were damaged, including one that was damaged when a large tree fell on it.									
Clinton County									
7 E Trimble	14	1247CST			0	0			Thunderstorm Wind (G60)
Law enforcement officials reported trees down along Highway C.									
Clay County									
Holt	14	1300CST			0	0	50K		Thunderstorm Wind (G60)
A large maple tree fell on a home, causing severe damage to the house.									
Caldwell County									
Polo	14	1310CST			0	0			Hail (0.75)
Ray County									
4 NW Knoxville	14	1310CST			0	0	30K		Thunderstorm Wind (G65)
A house suffered roof damage and a barn was destroyed.									
Ray County									
2 NE Taitsville	14	1320CST			0	0	200K		Thunderstorm Wind (G80)
Two homes were destroyed. Utility company officials reported numerous downed power poles.									
Carroll County									
Coloma	14	1400CST			0	0			Hail (1.00)
Carroll County									
Coloma	14	1400CST			0	0	10K		Thunderstorm Wind (G65)
Large tree limbs were blown down and a machine shed was severely damaged.									
Carroll County									
3 SW Hale to 2 SW Hale	14	1410CST			0	0	200K		Thunderstorm Wind (G80)
Extensive wind damage was reported just southwest of Hale. A 50-by-60 foot machine shed and a 60-by-120 foot Morton building were destroyed, and farm equipment inside was damaged. A two car garage was destroyed, and a modular home suffered roof damage. Large trees and limbs were downed, and one limb fell on the roof of a home, causing damage.									
Chariton County									
Mendon	14	1430CST			0	0			Hail (0.75)
Randolph County									
7 N Thomas Hill	14	1455CST			0	0			Hail (0.88)
Macon County									
Macon	14	1515CST			0	0			Thunderstorm Wind (G57)
Law enforcement officials reported 60-65 mph wind gusts.									
Severe thunderstorms moved across west-central Missouri, affecting areas just north of the Missouri River. Numerous reports of wind damage were received. Reports of large hail were less numerous; however, small hail covered the ground in some locations, and was whipped into hail drifts.									
Lafayette County									
Odessa	15	0000CST			0	0			Thunderstorm Wind (G52)
The Odessa Police Department reported 60 mph wind gusts.									

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<u>MISSOURI, Northwest</u>									
<u>Lafayette County</u>									
9 E Odessa	15	0010CST			0	0			Thunderstorm Wind (G52)
The sheriff's department reported 60 mph wind gusts at mile marker 47 on Interstate 70.									
The second cluster of thunderstorms in less than 12 hours affected west-central Missouri. The storms produced heavy rain across the area, and high winds in Lafayette County.									
<u>MISSOURI, Southeast</u>									
<u>Scott County</u>									
Miner	05	1757CST			0	0			Thunderstorm Wind (G50)
A couple of trees were blown down between Interstate 55 and U.S. 61.									
<u>Mississippi County</u>									
Charleston	05	1830CST			0	0			Thunderstorm Wind (G50)
A co-operative observer for the National Weather Service reported trees down.									
<b>MOZ076-086&gt;087-100-107&gt;112-114</b>									
<b>Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid</b>									
	09	0200CST 0700CST			0	0			Frost
A widespread killing frost and freeze affected southeast Missouri, bringing an end to the growing season. Low temperatures were in the middle 20s.									
<u>MISSOURI, Southwest</u>									
<u>Oregon County</u>									
2 W Thayer	05	1430CST			0	0	0		Hail (1.25)
<u>MONTANA, Central</u>									
<b>MTZ015</b>									
<b>Madison</b>									
	11	2200MST			0	0			Heavy Snow
	13	1200MST							
36 inches of snow mountains around Big Sky ski area.									
<b>MTZ010</b>									
<b>Eastern Glacier</b>									
	18	2215MST			0	0			High Wind (G52) <sup>M</sup>
CTB AWOS.									
<u>MONTANA, East</u>									
<u>Valley County</u>									
8 N Oswego	01	2140MST			0	0			Hail (0.88)
<u>MONTANA, South</u>									
<u>Carter County</u>									
Belltower	13	1700MST			0	0			Hail (0.75)
<u>MONTANA, West</u>									
NONE REPORTED.									
<u>NEBRASKA, Central</u>									
<u>Frontier County</u>									
6 SSW Eustis to 5 SSW Eustis	29	1845CST 1847CST	1	50	0	0	100K		Tornado (F1)
A tornado touched down at a farm 6 miles south southwest of Eustis. The tornado remained on the ground for a mile and destroyed a machine shed and grain bin. The house and garage had the windows blown out.									
<u>Hayes County</u>									
1 W Hamlet to 9 N Hamlet	31	1700CST 1712CST	9	100	0	0	160K		Tornado (F1)
A tornado touched down 1 mile west of Hamlet and was intermittently on the ground to 9 miles north of Hamlet. As the tornado moved into Stinking Water Creek bottom 4 miles north northwest of Hamlet a garage was destroyed and several farm outbuilding were damaged. Large cottonwood and evergreen trees were uprooted or snapped off. The tornado then struck a farm 9 miles north of Hamlet destroying a calf shed and doing extensive tree damage before lifting.									
<u>Hayes County</u>									
11 SW Hayes Center	31	1700CST			0	0			Hail (1.25)
<u>Frontier County</u>									
11 SE Stockville	31	1712CST			0	0			Hail (1.75)
<u>Frontier County</u>									
14 SE Stockville	31	1720CST			0	0			Hail (0.75)


# Storm Data and Unusual Weather Phenomena

October 2000

									October 2000
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
NEBRASKA, Central									
Frontier County									
10 S Eustis to 1 S Eustis	31	1738CST 1745CST	9	150	0	0	250K		Tornado (F1)
The tornado touched down 10 miles south southwest of Eustis damaging some trees. The tornado moved north northeast and was intermittently on the ground to 1 mile south of Eustis. Six miles south southwest of Eustis a farm received extensive damage with a barn destroyed and several outbuildings damaged along with damage to fences, machinery and corrals. This is the same farm that was struck two days earlier. Five miles south southwest of Eustis a farm was narrowly missed with damage to irrigation pipes and trees. The tornado then struck a farm 1 mile south of Eustis damaging several outbuildings.									
Hayes County									
15 SW Hayes Center	31	1750CST			0	0			Hail (0.88)
Custer County									
7 SW Oconto to 2 N Oconto	31	1830CST 1839CST	9	250	0	0	2M		Tornado (F2)
The tornado moved out of Dawson county into south central Custer county 7 miles south southwest of Oconto. The tornado traveled across open rangeland until destroying a modular home 1 mile south of Oconto. The tornado then moved directly through the small community of Oconto producing extensive damage. Every building along main street was either damaged or destroyed. A community center was destroyed while 19 children and 4 adults were in the basement. Over half the homes in the small town suffered minor to major damage. The community was declared a disaster areas by the governor. The tornado knocked down a power line 2 miles north of Oconto before lifting.									
Garfield County									
9 E Burwell	31	1840CST			0	0			Hail (0.75)
Custer County									
7 SE Broken Bow to 7 NE Broken Bow	31	1900CST 1915CST	12	250	0	0	1M		Tornado (F2)
The tornado touched down 7 miles southeast of Broken Bow and traveled 12 miles north northeast across farm and rangeland. Initial damage occurred at touchdown with a modular home destroyed. Then over the next 2 miles 3 farmsteads were struck. The first suffered heavy damage to all buildings including the house. At the second farmstead a modular home and several buildings were completely destroyed. The third farmstead suffered extensive damage to the outbuildings and minor damage to the house. The tornado then moved across highway 2 and destroyed several farm building 4 miles east of Broken Bow. Then as the tornado moved across highway 70 another farmstead was struck with several outbuildings destroyed and the house damaged. The tornado remained on the the ground and destroyed a barn 5 miles northeast of Broken Bow, then did extensive damage to a farmstead 7 miles northeast of Broken Bow where several outbuildings were destroyed or damaged and damaged the house. Tree damage was extensive along the entire path and several center pivot irrigation systems were destroyed. The tornado lifted 7 miles northeast of Broken Bow.									
Garfield County									
20 NE Burwell	31	1910CST			0	0			Hail (0.88)
Custer County									
2 W Sargent to 6 N Sargent	31	1935CST 1945CST	6	250	0	0	250K		Tornado (F1)
The tornado touched down 2 miles west of Sargent with damage to a farm building and center pivot irrigation system. The tornado moved north northeast with several power poles broken off and minor damage produced at a farm 2 miles northwest of Sargent. The tornado ther moved across open country until destroying a communication tower and several power poles 5 miles north of Sargent. A farm building was then damaged 6 miles north of Sargent before the tornado moved into southeast Loup county.									
Loup County									
2 SE Taylor to 4 NE Taylor	31	1945CST 1955CST	6	250	0	0	500K		Tornado (F1)
The tornado was on the ground as it moved into Loup county 2 miles southeast of Taylor. The tornado moved north northeast reaching a ranch 1 mile southeast of Taylor where several buildings were damaged. Then 2 outbuildings were destroyed at a farmstead 3 miles north northeast of Taylor with several buildings damaged including the home. There was also extensive damage to machinery, fences and power poles. As the tornado remained on the ground a farm building was damaged and pickup truck overturned 4 miles north northeast of Taylor before the tornado lifted									
Holt County									
7 SW Amelia	31	2030CST			0	0			Hail (1.00)
NEBRASKA, East									
Jefferson County									
2 S Reynolds	13	1825CST			0	0			Hail (0.88)
Boone County									
Cedar Rapids	29	1610CST			0	0			Hail (0.75)
Seward County									
Goehner	29	1657CST			0	0			Hail (0.75)
Butler County									
1 E Rising City to 5 S Bellwood	29	1657CST 1702CST	3	50	0	0	13K		Tornado (F0)

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
<b>NEBRASKA, East</b>								
<b>Seward County</b> 1 E Goehner	29	1702CST	0.1	30	0	0		<b>Tornado (F0)</b>
	Brief touchdown in an open field.							
<b>Otoe County</b> 2 SW Syracuse to 2 W Syracuse	29	1707CST 1710CST	2.5	50	0	0	15K	<b>Tornado (F0)</b>
	The first tornado in a cyclic storm that eventually produced 3 tornadoes. This one touched 2 miles southwest of Syracuse and blew some hog farm sheds around, caused a metal garage to collapse and did some tree damage before lifting 2 miles west of town							
<b>Otoe County</b> 3 WSW Syracuse to 3 W Syracuse	29	1714CST 1715CST	1	40	0	0	1K	<b>Tornado (F0)</b>
	This tornado was the 2nd of 3 in Otoe county this night. The tornado was only on the ground 1 mile but did take the roof off of a shed and downed a few power poles.							
<b>Otoe County</b> 1 S Unadilla to 1 N Unadilla	29	1716CST 1719CST	2	50	0	0	5K	<b>Tornado (F0)</b>
								
	The third and last cyclic tornado that formed from the apparent same thunderstorm touched down 1 mile south of Unadilla, tracked near town then lifted 1 mile north of Unadilla. The tornado took the roof off of a machine shed 1 mile north of town and damaged a roof of a garage by driving 2 boards through the roof.							
<b>Butler County</b> Bellwood	29	1725CST 1730CST			0	0	1K	<b>Thunderstorm Wind (G60)</b>
	Thunderstorm wind gusts estimated at over 60 mph blew some power lines down by Bellwood and blew the roof off of a garage.							
<b>Lancaster County</b> Lincoln	29	1800CST			0	0		<b>Hail (0.75)</b>
	Dime size hail reported at 84th and Pioneer Blvd. and Old Cheney Road and Pioneer Blvd.							
<b>Lancaster County</b> Waverly	29	1837CST			0	0		<b>Hail (0.75)</b>
<b>Saunders County</b> 4 S Ashland	31	1650CST			0	0		<b>Funnel Cloud</b>
<b>Stanton County</b> 5 N Stanton	31	1720CST			0	0	0.50K	<b>Thunderstorm Wind (G60)</b>
	Thunderstorm downburst winds estimated at over 60 mph blew out a screen and window on a house north of Stanton.							
<b>Nemaha County</b> 7 S Auburn	31	1740CST			0	0		<b>Thunderstorm Wind (G60)</b>

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## NEBRASKA, East

Thunderstorm downburst winds estimated at around 70 mph blew a car off of the road north of Auburn. Numerous funnel cloud reports were also received in this location.

### **Thurston County**

5 WSW Emerson 31 1810CST 0 0 Hail (1.25)

### **Nemaha County**

2 WSW Brock to 31 1900CST 2 40 0 0 30K Tornado (F0)  
2 WNW Brock 1902CST

A brief touchdown of a tornado destroyed 3 outbuildings and did some roof damage of a farm house southwest of Brock.

## NEBRASKA, Extreme Northeast

NONE REPORTED.

## NEBRASKA, Extreme Southwest

### **Dundy County**

1 S Benkelman 31 1609MST 0 0 Hail (1.00)

### **Dundy County**

13 N Benkelman 31 1640MST 0 0 Hail (0.75)

### **Red Willow County**

2 SE Danbury to 31 1648CST 3 100 0 0 Tornado (F0)  
3 E Danbury 1653CST

Cone shaped tornado reported for short time. Path length may have been longer. However, no noticeable damage observed.

### **Red Willow County**

4.5 S Bartley 31 1700CST 0 0 Funnel Cloud

Reported by public safety.

### **Red Willow County**

Bartley 31 1700CST 0 0 Hail (1.00)

### **Red Willow County**

2 E Bartley to 31 1710CST 3 75 0 0 Tornado (F0)  
4.5 NE Bartley 1715CST

No damage reported with tornado as it lifted near northeast corner of the county.

### **Hitchcock County**

12 NNW Stratton 31 1745CST 0 0 Hail (0.75)

### **Red Willow County**

12 SSW Mc Cook 31 1930CST 0 0 Hail (0.75)

## NEBRASKA, South Central

NEZ039>041-046>049- Valley - Greeley - Nance - Sherman - Howard - Merrick - Polk - Dawson - Buffalo - Hall - Hamilton - York -  
060>064-072>077- Gosper - Phelps - Kearney - Adams - Clay - Fillmore - Furnas - Harlan - Franklin - Webster - Nuckolls -  
082>087 Thayer

08 0000CST 0 0 0 0 Extreme Cold  
09 1400CST

After a week of record warmth, record cold weather invaded south-central Nebraska and brought to an end the 2000 growing season. For two consecutive mornings, low temperature records were broken, in some cases by 13 degrees. In the Tri-cities, temperatures included 16 at Grand Island, 17 at Hastings, and 13 at Kearney. Elsewhere in south-central Nebraska, temperatures in the teens were common. Some of the colder readings were 13 at Beaver City, 11 at Ravenna and a shivering 9 above at Greeley.

### **Adams County**

8 N Hastings 29 1030CST 0 0 0 0 Funnel Cloud

### **Clay County**

1 N Glenville 29 1315CST 0 0 0 0 Funnel Cloud

### **Clay County**

1 SW Inland to 29 1325CST 1 15 0 0 0 0 Tornado (F0)  
1 W Inland 1330CST

### **Hamilton County**

2 SE Giltner 29 1345CST 0.5 10 0 0 0 0 Tornado (F0)

### **Hall County**

1 W Doniphan 29 1431CST 0 0 0 0 Funnel Cloud

### **Merrick County**

Palmer 29 1445CST 0 0 0 0 Hail (0.75)

### **Howard County**

3 SE Cushing 29 1448CST 0 0 0 0 Hail (0.88)



# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>NEBRASKA, South Central</b>									
<b>Nance County</b>									
10 W Fullerton	29	1510CST			0	0	2K	0	Hail (1.00)
<b>Nance County</b>									
8 SW Fullerton	29	1530CST			0	0	5K	0	Hail (1.75)
<b>Nance County</b>									
10 SW Fullerton	29	1545CST			0	0	0	0	Funnel Cloud
<b>Merrick County</b>									
1 NW Clarks to 7 NW Clarks	29	1607CST 1617CST	6	50	0	0	30K	0	Tornado (F0)
<b>Nance County</b>									
6 SE Fullerton to 5 SE Fullerton	29	1617CST 1620CST	1	25	0	0	10K	0	Tornado (F0)
<b>Nance County</b>									
6 E Fullerton to 11 NE Fullerton	29	1630CST 1645CST	9	100	0	0	125K	25K	Tornado (F1)

In a rather unprecedented manner, a strong upper level low pressure system rotating over south-central Nebraska, produced a number of late season tornadoes and funnel clouds across the area.

The most significant tornado occurred northeast of Fullerton, and was on the ground for 9 miles. This tornado, rated at F1, damaged 3 farmsteads in its path. One farmstead alone suffered damaged grain bins, farm equipment and vehicles. The occupants of the home were able to get into the tornado shelter just before the tornado hit.

Just prior to that tornado, off-duty National Weather Service employees observed another tornado from the same parent thunderstorm. This tornado moved from north of Clarks in Merrick county to southeast of Fullerton in Nance county, and overturned an irrigation pivot and damaged trees. Other tornadoes were sighted southwest of Aurora and near Inland. Numerous other funnel clouds were observed along with some large hail.

## Dawson County

2 E Cozad	31	1755CST			0	0	10K	0	Hail (1.25)
<b>Dawson County</b>									
Darr	31	1808CST			0	0	0	0	Funnel Cloud
<b>Dawson County</b>									
3 NE Darr to 5 NE Buffalo	31	1812CST 1830CST	14	200	0	0	125K	0	Tornado (F2)

In a continuation of late season severe weather, a Halloween tornado moved across central and northern Dawson county and crossed into southern Custer county. The tornado, which was spawned from a large supercell thunderstorm, was on the ground in Dawson county for about 14 miles and had a maximum width of 200 yards.

Most of the tornadoes path was over open country, but one farmstead in northern Dawson county did receive extensive damage. Part of the roof of the house was blown away and a barn was flattened. Pivots and other outbuildings along the tornadoes path were also damaged. Prior to the tornado itself, the same thunderstorm produced hail which covered the ground white just east of Cozad. Minor street flooding was reported in Cozad as well.

## NEBRASKA, West

NONE REPORTED.

## NEVADA, North

<b>Elko County</b>									
Spring Creek	10	0015PST 0030PST			0	0	2K		Thunderstorm Wind

Thunderstorm micro-burst winds flattened a couple of sheet metal sheds and blew several campers off the concrete blocks they were sitting on. Also a section of a wood fence was blown down.

<b>NVZ031&gt;032-035-037</b>	<b>N Elko Cnty - Sw &amp; Sc Elko - White Pine - S Lander &amp; S Eureka</b>								
29	0800PST				0	0			Heavy Snow
30	2100PST								

A winter storm system dumped heavy snow across east central Nevada and portions of northeast Nevada. Some snowfall amounts include; 9 inches at Lamoille; 8 inches at Austin, 7 inches at Ely, Ruth, McGill, Eureka, and on the outskirts of the town of Spring Creek near the Ruby Mountains; 6 inches at Lund, and Tuscarora.

## NEVADA, South

<b>Clark County</b>									
Las Vegas	27	1200PST 1455PST			0	0			Urban/Sml Stream Fld

Heavy rains moved through Las Vegas producing street flooding over many parts of the valley. Several roads were closed due to the flooding.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<b>NEVADA, South</b>									
<b>NVZ018</b>									
<b>Sheep Range</b>									
	<b>29</b>	<b>2300PST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>30</b>	<b>0730PST</b>							
A Pacific storm system brought heavy snow to portions of south central Nevada. Lincoln County sherriffs office reported 6 to 8 inches o new snow about 25 miles north of Pioche.									
<b>NEVADA, West</b>									
<b>NVZ002</b>									
<b>Greater Lake Tahoe Area</b>									
	<b>09</b>	<b>1700PST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>High Wind (G53) <sup>M</sup></b>
Spotter report of wind gust to 61 mph 6 miles SW of Gardnerville.									
<b>NEW HAMPSHIRE, North and Central</b>									
<b>NHZ005&gt;010-013&gt;014</b>									
<b>Southern Grafton - Southern Carroll - Sullivan - Merrimack - Belknap - Strafford - Interior Rockingham - Coastal Rockingham</b>									
	<b>28</b>	<b>0600EST</b>			<b>0</b>	<b>0</b>			<b>Strong Winds</b>
		<b>2100EST</b>							
A strong cold front moved through the region followed by a prolonged period of gusty northwest winds. The winds downed tree limbs onto power lines, causing scattered power outages in a number of locations including Loudon, Meredith, Rochester, Bow, Franklin, and Ossipee. Sparks from damaged power lines ignited small brush fires near Bow and Center Harbor. Winds gusted to 41 mph (measured) at Rochester and 40 mph (measured) at Concord and Lebanon.									
<b>NHZ001</b>									
<b>Northern Coos</b>									
	<b>29</b>	<b>0000EST</b>			<b>0</b>	<b>0</b>			<b>Heavy Snow</b>
	<b>30</b>	<b>2300EST</b>							
<b>NHZ002&gt;004</b>									
<b>Southern Coos - Northern Grafton - Northern Carroll</b>									
	<b>29</b>	<b>0000EST</b>			<b>0</b>	<b>0</b>			<b>Moderate Snowfall</b>
	<b>30</b>	<b>2300EST</b>							
Low pressure that developed off the southeastern U.S. coast on the 27th moved slowly northeastward on the 28th and 29th as colder air began filtering into the area following the passage of a cold front early on the 28th. Moisture from the Atlantic low caused moderate to heavy snow to occur in the mountains and higher elevations of New Hampshire from Sunday, the 29th, into Monday, the 30th. Snowfall amounts ranged from 4 to 12 inches in the northern mountains and notches where the snow lingered into Monday night to generally 2 to 6 inches in northern Grafton County and much of southern Coos County. Elsewhere, a trace to about 2 inches fell Sunday.									
<b>NEW HAMPSHIRE, Southern</b>									
NONE REPORTED.									
<b>NEW JERSEY, Northeast</b>									
NONE REPORTED.									
<b>NEW JERSEY, South and Northwest</b>									
<b>Mercer County</b>									
Lawrenceville to Princeton	<b>04</b>	<b>1839EST</b>			<b>0</b>	<b>3</b>	<b>250K</b>	<b>100K</b>	<b>Thunderstorm Wind (G69)</b>
		<b>1845EST</b>							
<b>Mercer County</b>									
Princeton	<b>04</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.75)</b>
A severe thunderstorm knocked down numerous trees and caused scattered property damage in Lawrence, Princeton and West Windsor Townships. Wind gusts were estimated to reach 80 mph in the strongest part of the storm that went through Lawrence Township. About 75 large trees were completely uprooted. Three persons were injured. The worst damage within Lawrence Township occurred on U.S. Route 206, Province Line, Carter, Rosedale and Carson Roads. Carter Road was closed for over 24 hours because of the downed trees and five snapped poles. A large tree crashed into the bedroom of a house on U.S. Route 206 next to Peterson's Nursery. A 92-year-old barely escaped serious injury. In the nursery itself, 30 trees were uprooted and a gazebo was lifted and splintered. Two volunteer fire-fighters were injured by a fallen limb while responding to an emergency call. Elsewhere within the township, a chimney was knocked down on Lawrenceville Road, another tree landed on a house on Tall Timbers Drive and the front door and garage of another home were completely blocked by downed trees. The Bristol-Myers Squibb Lawrence Campus suffered considerable wind damage to their trees, especially the willows. At least three vehicle were crushed by fallen trees. In Princeton Township, U.S. Route 206 was blocked by fallen trees for a day. Several trees were also knocked down in Clarksville (West Windsor Township). Large hail also fell in Lawrence and Princeton Townships and shredded vegetation. The hail reached golf ball size in Princeton Township. In Lawrence Township, the hail piled into small drifts. PSE&G reported about 11,000 homes and businesses lost power in the county.									
<b>Middlesex County</b>									
East Brunswick	<b>04</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Lightning</b>
Lightning struck a transformer on Old Bridge Turnpike in East Brunswick Township and knocked wires across the roadway. Other lightning strikes caused power outages in North Brunswick. GPU reported that 6,500 homes and businesses lost power in Middlesex, Monmouth and Ocean Townships.									
<b>Ocean County</b>									
New Egypt	<b>04</b>	<b>1925EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G50)</b>

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## NEW JERSEY, South and Northwest

A severe thunderstorm knocked down several trees in New Egypt in Plumstead Township. GPU reported that 6,500 homes and businesses lost power in Middlesex, Monmouth and Ocean Townships.

### Monmouth County

Holmdel	04	1935EST			0	0	0		Lightning
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### Monmouth County

Holmdel	04	1935EST			0	0			Thunderstorm Wind (G50)
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### Monmouth County

Howell	04	1945EST			0	0	0		Lightning
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A severe thunderstorm knocked down several trees in Holmdel Township. Lightning struck a home in Holmdel and created a hole in its roof. In Howell Township, lightning struck five separate homes. Two small fires ensued. One person was hospitalized for smoke inhalation. Marble size hail also fell in Howell Township. GPU reported that 6,500 homes and businesses lost power in Middlesex, Monmouth and Ocean Townships.

NJZ001-007>010-012>026

**Sussex - Warren - Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean**

31	2359EST			0	0	0		Unseasonably Dry
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October 2000 was one of the driest Octobers on record in New Jersey and in a few locations, the driest month ever on record. On a county weighted average monthly precipitation totals ranged from 0.1 inches in Atlantic and Cape May Counties to 1.2 inches in Gloucester County. Normal monthly precipitation is around 3.4 inches. At the Atlantic City Marina, the monthly precipitation total of 0.01 inches was not only the driest October on record, but also tied September 1941 as the driest month on record. Records within Atlantic City go back to 1874. At the Atlantic City International Airport, the monthly precipitation total of 0.06 inches was not only the driest October on record, but also the driest month on record ever. Records at the airport go back to 1943. In Cape May City, the monthly precipitation total of 0.34 inches was the third driest October on record. Records have been kept since 1888. While the dry weather did not cause any appreciable agricultural damage, the falling leaves left the state susceptible to forest and brush fires.

## NEW MEXICO, Central and North

NMZ001>021-026

**Northwest Plateau - Northwest Mountains Including Jemez - Upper Rio Grande Valley - Sangre De Cristo Mountains - Northeast Highlands - Harding - Far Northeast Plains - Westcentral Mountains - Middle Rio Grande Valley - Sandia/Manzano Mountains - Central High Plains/Estancia Valley County - Conchas Lake/Guadalupe - Quay - Southwest Mountains/Upper Gila Region - Lower Rio Grande Valley - Lincoln County High Plains/Hondo Valley - Capitan/Northern Sacramento Mountains - De Baca - Chaves County Plains - Roosevelt - Curry - Guadalupe Mountains Of Chaves County**

01	0000MST			0	0			Drought
15	0000MST							

Drought conditions eased somewhat across the region as some unusual tropical moisture allowed soaking rains to develop during the first half of October. Clovis and eastern New Mexico broke a 69 day dry spell with four days of rain during the first week of October. A number of stations, including Albuquerque, reported monthly rain already 120 to 150 percent above normal which was welcome where roughly 70 percent of the state was in severe to extreme drought. Rain came too late to benefit summer crops, but raised fall grazing prospects. Some cattle were lost to Prussic acid poisoning in Roosevelt County where livestock were allowed to graze the fresh growth of sorghum pastures. Santa Fe saw a boost in its municipal water supplies but reservoirs remained near an all time low at 18 percent of capacity.

NMZ010

### Sandia/Manzano Mountains

07	2000MST			0	0	50K		Ice Storm
08	0600MST							

A rare freezing rain event swept south over the Sandia and Manzano Mountains reaching as far south as the Sacramento Mountains. A shallow layer of cold air had banked up against the eastern slopes of the central and southern mountains. Freezing rain began to accumulate on limbs and power lines around mid-evening in the mountain communities from Tijeras south to Mountainair. Nearly a 1000 customers in Torrance, Valencia and extreme southeast Bernalillo counties lost power by around 145 AM. Lighter damage was reported as far south as Ruidoso.

### Bernalillo County

Paradise Hills	12	1510MST			0	0		Hail (1.00)
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### Sandoval County

Rio Rancho	12	1530MST			0	0	5K	Hail (1.00)
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A storm with 1 inch hail moved over western Albuquerque causing damage to windshields.

### Los Alamos County

Los Alamos	12	1630MST			0	0		Hail (0.75)
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### Chaves County

1 W Roswell	16	1832MST			0	0		Hail (1.00)
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### Chaves County

Roswell	16	1852MST			0	0		Hail (0.88)
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### Chaves County

2 NE Roswell	16	1906MST			0	0		Hail (0.88)
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# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
NEW MEXICO, Central and North									
Chaves County									
Roswell	17	1420MST			0	0			Hail (0.75)
Guadalupe County									
5 W Newkirk	23	0700MST			0	0			Hail (0.75)
Small hail to 3/4 inch covering parts of Interstate 40 near mile post 391.									
Guadalupe County									
10 SE Santa Rosa	23	0820MST 0930MST			0	0			Flash Flood
Highway 91 at Puerto de Luna closed by high water.									
San Miguel County									
Romeroville	23	0830MST 0900MST			0	0			Flash Flood
Heavy rain or more than 2 inches produced flooding of numerous low water crossings southwest of Las Vegas.									
Curry County									
Field	23	1015MST			0	0			Hail (0.75)
Quay County									
Forrest	23	1030MST			0	0			Hail (0.75)
Slow moving thunderstorms produced heavy rain and copious small hail along the Curry-Quay county line.									
San Juan County									
30 S Farmington	23	1059MST			0	1	20K		Thunderstorm Wind
San Juan County									
Kirtland to Farmington	23	1120MST			0	0			Tstm Wind/Hail
San Juan County									
La Plata	23	1136MST	0.1	20	0	0			Tornado (F0)
San Juan County									
La Plata	23	1151MST	0.1	20	0	0			Tornado (F0)
San Juan County									
Bloomfield	23	1300MST			0	0			Hail (1.00)
Several small but fast moving thunderstorms moved north through north central San Juan County with gusty winds and hail. A 49 year old man was slightly injured when winds overturned his tractor-trailer while traveling south on Highway 391. Several small and brief tornadoes or possible gustnadoes were reported over the rangeland west and southwest of La Plata to the Sheriff's office, but no damage wa reported nor were any observed by emergency coordinators and trained spotters. Hail and rain also filled normally dry washes and arroyo causing police to block several lanes on Highway 516 and County Road 5569.									
Curry County									
Clovis	23	1420MST 1630MST			0	0	20K		Flash Flood
Roosevelt County									
Portales	23	1430MST 1630MST			0	0	10K		Flash Flood
Union County									
Pasamonte	23	1600MST			0	0			Flash Flood
A series of slow moving and heavy rain storms moved north over east central New Mexico with 6 hour rainfall of 3 to 6 inches. Severe street and road flooding was reported from Portales north to Clovis during mid-afternoon as drains remained full. There was just enough time between heavy rains for water levels to drop and avoid any serious home or business flooding. Several motorist had to be rescued from stalled cars in 2 to 3 feet of water at low intersections.									
Roosevelt County									
Elida	23	1600MST			0	0			Funnel Cloud
Roosevelt County									
Elida	23	1620MST			0	0			Hail (0.75)
A storm near Elida produced several funnel clouds and dime sized hail. No touchdowns were seen or confirmed by trained spotters.									
Socorro County									
Bingham	23	1742MST			0	0			Hail (0.75)
Roosevelt County									
Portales	28	1055MST			0	0			Hail (0.75)
Roosevelt County									
Portales	28	1130MST 1230MST			0	0			Flash Flood
A storm with hail and lingering heavy rain caused considerable street flooding and road closures in Portales.									

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## NEW MEXICO, South Central and Southwest

### **Dona Ana County**

3 S Las Cruces

23 1700MST

0 0

**Thunderstorm Wind (G60)**

A low top supercell with a weakly rotating wall cloud was accompanied by 70 mph winds, 1/4 to 1/2 inch hail which completely covered the ground, and 0.9 inches of rain in less than 10 minutes as it passed over the Mesilla Park area.

### **Dona Ana County**

Anthony

28 0615MST  
0645MST

0 0

**Flash Flood**

A slow-moving line of thunderstorms dropped heavy rain on southern Dona Ana County, resulting in significant street flooding in Anthony.

## NEW MEXICO, Southeast

### **Eddy County**

13 NW Carlsbad to  
8 W Carlsbad

15 1532MST

0 0

**Hail (1.75)**

### **Eddy County**

11 W Carlsbad to  
4 NW Carlsbad

15 1550MST

0 0

**Funnel Cloud**

A severe thunderstorm west of Lake Avalone moved southeast and produced golfball size hail on Highway 137 five miles south of US285. A funnel cloud was later reported with this storm.

### **Eddy County**

1 N Carlsbad

17 1648MST

0 0

**Thunderstorm Wind (G60)**

### **Eddy County**

Queen

17 1718MST

0 0

**Hail (0.75)**

Dime size hail covered the ground.

### **Lea County**

20 SW Hobbs

17 1722MST

0 0

**Hail (0.75)**

Dime size hail covered ground on Highway 62/180.

### **Eddy County**

10 NW Carlsbad

17 1733MST  
1930MST

0 0

**Flash Flood**

Numerous thunderstorms moved north of Carlsbad and produced flash flooding in several places on Highway 137 to the southwest of the Highway 285 intersection.

### **Lea County**

4 E Jal

21 1555MST

0 0

**Hail (0.88)**

A severe thunderstorm passing near Jal dropped nickel size hail.

## NEW YORK, Central

### **Chemung County**

Midway to  
Sullivanville

04 0907EST

0 0

**Thunderstorm Wind (G60)**

Trees were downed.

### **Tioga County**

Barton to  
Campville

04 0925EST  
0950EST

0 0

5K

**Thunderstorm Wind (G65)**

Several trees and powerlines were downed in Waverly, Owego, and Campville. In Spencer, barn roof was blown off at 933 AM EST.

### **Broome County**

Endicott

04 0955EST

0 0

**Thunderstorm Wind (G60)**

Large tree limb was downed on top of car.

## NEW YORK, Coastal

NONE REPORTED.

## NEW YORK, East

NYZ043-049>054-  
059>061-064>066

**Washington - Eastern Schenectady - Southern Saratoga - Western Albany - Eastern Albany - Western Rensselaer - Eastern Rensselaer - Eastern Greene - Western Columbia - Eastern Columbia - Eastern Ulster - Western Dutchess - Eastern Dutchess**

29 1200EST  
1800EST

0 0

**Snow**

A low pressure system moved northeast off the coastline on Sunday October 29. The outer fringe of its moisture shield, interacted with unseasonably cold air, to produce an usually early snow event across eastern New York. Measurable snow fell across the Hudson Valley eastward to the Taconics. Up to about an inch of slushy snow accumulated in the valley floor, with a little more across the hills. At the National Weather Service office at Albany, the 0.4 inch snowfall was the first measurable October snowfall since 1987. This snowfall amount was enough to establish a new record for the date, and the fourth snowiest October ever recorded at Albany. The snow did produce some minor vehicular accidents, but no other problems were reported to the National Weather Service.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## NEW YORK, East

The high temperature on Sunday October 29 was only 36 degrees at Albany International Airport. This value established a new record cold high, eclipsing the old record of 38 set back in 1909, and the second coldest maximum temperature ever recorded during the month of October.

## NEW YORK, North

NONE REPORTED.

## NEW YORK, West

### **Chautauqua County**

**Bemus Pt**

**04 0440EST 0 0 35K Thunderstorm Wind**

### **Cattaraugus County**

**East Otto**

**04 0515EST 0 0 15K Thunderstorm Wind**

A line of thunderstorms crossed the western southern tier during the early morning hours. The thunderstorm winds downed trees and power lines over parts of Chautauqua and Cattaraugus counties. In Bemus Point, falling trees damaged a house, garage roof and a boat.

## NORTH CAROLINA, Central

NONE REPORTED.

## NORTH CAROLINA, Central Coastal

NONE REPORTED.

## NORTH CAROLINA, Extreme Southwest

NONE REPORTED.

## NORTH CAROLINA, North Coastal

NONE REPORTED.

## NORTH CAROLINA, Northwest and North Central

NONE REPORTED.

## NORTH CAROLINA, South Coastal

NONE REPORTED.

## NORTH CAROLINA, Southwest

**NCZ033>037-048>059-062>072-082** **Avery - Caldwell - Alexander - Iredell - Davie - Madison - Yancey - Mitchell - Swain - Haywood - Buncombe - McDowell - Burke - Catawba - Rowan - Graham - Northern Jackson - Macon - Southern Jackson -**

**Transylvania - Henderson - Polk - Rutherford - Cleveland - Lincoln - Gaston - Mecklenburg - Cabarrus -**

**Union**

**01 0000EST 0 0 Drought**  
**31 2359EST**

Effects of the drought intensified as many areas received absolutely no rain during the month, setting records for the longest stretch without measurable rainfall in several locations. Wells and mountain streams continued to dry up and lake levels continued to drop. Many communities were forced to start more stringent water conservation measures.

### **Buncombe County**

**15 NE Asheville**

**25 1400EST 0 0 Small Hail**  
**1500EST**

Abundant pea size hail fell from a few showers and thunderstorms in northeast Buncombe county during the afternoon. Traffic accidents occurred on the Blue Ridge Parkway near Craggy Gardens at an elevation of 4900 feet due to the icy road.

### **McDowell County**

**4 N Ashford**

**28 0600EST 0 0 Wild/Forest Fire**  
**31 1800EST**

A wildfire was started in the Linville Gorge area and eventually burned hundreds of acres. Extremely dry conditions had persisted across the area since rain had not been measured for 50 days.

## NORTH DAKOTA, Central and West

NONE REPORTED.

## NORTH DAKOTA, East

NONE REPORTED.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<b>OHIO, East</b>									
<b>Belmont County</b> Barnesville	05	2135EST			0	0			Hail (0.75)
<b>OHIO, North</b>									
<b>Wood County</b> Perrysburg	04	0120EST			0	0	5K		Thunderstorm Wind
			Thunderstorm winds downed two trees.						
<b>Erie County</b> Castalia	04	0215EST			0	0	5K		Thunderstorm Wind
			Thunderstorm winds downed two trees near Castalia.						
<b>Huron County</b> Countywide	04	0220EST			0	0	5K		Thunderstorm Wind
			Thunderstorm winds downed a few trees in the northeast corner of the county.						
<b>Lorain County</b> Lorain to Avon Lake	04	0245EST			0	0	300K		Thunderstorm Wind (G59) <sup>M</sup>
			A 68 mph thunderstorm wind gust was measured in Avon Lake. Thunderstorm winds downed dozens of trees in Lorain and Avon Lake. A large tree fell on a house in Avon Lake and caused unrepairable structural damage. The house and its contents were a total loss. An adjacent garage was also blown down and destroyed.						
<b>Cuyahoga County</b> Countywide	04	0300EST 0330EST			0	0	1M		Thunderstorm Wind
			Thunderstorm winds in excess of 60 mph did considerable damage across the western half of the county. In Brooklyn, thunderstorm winds damaged four buildings. Two of the buildings suffered extensive structural damage and had exterior walls blown down and roofs completely torn off. The remaining two suffered less severe damage, but still lost large sections of roofing. Cars in a nearby parking lot were damaged by blocks and other debris from the damaged buildings. Dozens of trees were reported down in Brooklyn, Berea, Lakewood and Bay Village.						
<b>Lake County</b> Countywide	04	0315EST			0	0	500K		Thunderstorm Wind (G67) <sup>M</sup>
			A 77 mph thunderstorm wind gust was measured at the Fairport Harbor Light House. Dozens of trees were downed across the county by thunderstorm winds. Areas near Lake Erie were especially hard hit with considerable damage in Mentor and Madison. Several homes were damaged and two cars crushed by trees in Mentor. Also hard hit was Painesville where a car was destroyed by a fallen tree. Trees were also downed in Willoughby and Perry.						
<b>Geauga County</b> Chesterland	04	0322EST			0	0	10K		Thunderstorm Wind (G51) <sup>M</sup>
			A 59 mph thunderstorm wind gust was measured in Chesterland.						
<b>Geauga County</b> Newbury	04	0330EST			0	0	25K		Thunderstorm Wind
			Thunderstorm winds downed many trees and several telephone poles just north of Newbury Center.						
<b>Summit County</b> Twinsburg	04	0330EST			0	0			Thunderstorm Wind (G52)
			A thunderstorm wind gust of 60 mph was estimated by an off duty NWS meteorologist.						
<b>Ashtabula County</b> Ashtabula	04	0350EST			0	0			Thunderstorm Wind (G52) <sup>M</sup>
			A 60 mph thunderstorm wind gust was measured in Ashtabula.						
<b>Lorain County</b> Countywide	04	0500EST 0515EST			0	0	60K		Thunderstorm Wind
			A line of thunderstorms producing winds estimated at 60 mph moved across the county prior to daybreak. Dozens of trees were downed in Lorain, Amherst, Elyria and Vermilion. Two power poles were also knocked down and a car in Amherst was severely damaged by a fallen tree.						
<b>Cuyahoga County</b> Countywide	04	0525EST 0535EST			0	0	250K		Thunderstorm Wind
			Thunderstorm winds measured at 60 mph downed dozens of trees in Cleveland, Garfield Heights and Euclid. Euclid was especially hard hit with several homes damaged by fallen trees. In downtown Cleveland, 13 windows were blown out of a government office building.						
<b>Cuyahoga County</b> Garfield Hgts	04	0528EST			0	0			Thunderstorm Wind (G51) <sup>M</sup>
			A 59 mph thunderstorm wind gust was measured in Garfield Heights.						
<b>Summit County</b> Sagamore Hills	04	0535EST			0	0	10K		Thunderstorm Wind
			Thunderstorm winds downed four trees.						

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<b>OHIO, North</b>									
<b>Geauga County</b>									
Chardon	04	0550EST			0	0	10K		Thunderstorm Wind
Thunderstorm winds downed many trees.									
<b>Ashtabula County</b>									
Countywide	04	0600EST 0620EST			0	0	1M		Thunderstorm Wind
Thunderstorm winds estimated at 60 to 70 mph caused considerable damage across the county. Several hundred trees and 55 power poles were downed. Widespread damage was reported in Ashtabula, Pierpont, Andover, Jefferson and Geneva on the Lake. Major damage occurred at a campground just north of Andover where five homes were severely damaged by fallen trees. Over 50 trees were downed at the campground.									
<b>Lake County</b>									
Fairport Harbor	08	1600EST 1620EST			0	0			Waterspout
Four waterspouts were observed on Lake Erie approximately two miles offshore from Fairport Harbor. No damage occurred.									
<b>OHIO, Northwest</b>									
NONE REPORTED.									
<b>OHIO, Southeast</b>									
<b>OHZ085&gt;087</b>									
<b>Meigs - Gallia - Lawrence</b>									
	01 31	0000EST 2300EST			0	0			Monthly Precipitation
Most communities in extreme southeast Ohio had less than an inch of rain for the entire month. Gallipolis and Willow Wood both measured around 0.60 of an inch, for the least recorded									
<b>OHZ066&gt;067-075&gt;076-083&gt;087</b>									
<b>Perry - Morgan - Athens - Washington - Jackson - Vinton - Meigs - Gallia - Lawrence</b>									
	08	0300EST 0800EST			0	0			Cold
Daybreak temperatures were mostly in the upper 20s to the lower 30s. Athens, Waterloo, and Jackson all observed 28 degrees for the coldest.									
<b>OHIO, Southwest</b>									
<b>Darke County</b>									
Versailles	04	1900EST 1905EST			0	0			Hail (0.88)
<b>Clark County</b>									
Springfield	05	0730EST 0830EST			0	0	3K		Flood
Heavy rainfall caused streets to be flooded.									
<b>OHZ045</b>									
<b>Union</b>									
	25	0500EST			2	1	100K		Fog
A tanker truck hauling 8,600 gallons of gasoline crashed into a car and three other commercial vehicles and exploded. Two people were killed and one injured. The accident occurred in fog that reduced visibility to near zero.									
M59VE, F33VE									
<b>OHZ054</b>									
<b>Madison</b>									
	26	0800EST			0	15	50K		Fog
Dense fog contributed to the crash of a county sheriff's van hauling prisoners and a TruGreen-Chemlawn truck. Fifteen people were injured, of which one injury was serious.									
<b>OKLAHOMA, Eastern</b>									
<b>Muskogee County</b>									
Muskogee	05	1755CST			0	0			Hail (0.88)
<b>Cherokee County</b>									
5 S Cookson	05	1815CST			0	0			Hail (1.75)
<b>Creek County</b>									
Milfay	27	1520CST			0	0			Hail (1.00)
<b>Creek County</b>									
Depew	27	1527CST			0	0			Hail (0.88)
<b>Okmulgee County</b>									
3 W Beggs	27	1528CST			0	0			Hail (0.75)
<b>Okfuskee County</b>									
3 NW Mason	27	1653CST			0	0			Hail (0.88)



# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<b><u>OKLAHOMA, Eastern</u></b>									
<b>Okfuskee County</b>									
Welty	27	1725CST 2000CST			0	0	20K		Flash Flood
Heavy thunderstorm rains flooded numerous roads near Welty. A few homes and businesses were flooded as well.									
<b>Creek County</b>									
Depew	27	1728CST 1830CST			0	0	20K		Flash Flood
A rural bridge was washed out due to flash flooding.									
<b>OKZ066</b>									
<b>Okmulgee</b>									
	30	1700CST			0	0			Flood
	31	2359CST							
The Deep Fork River near Beggs rose above its flood stage of 18 feet at 5 pm cst on October 30. The river crested at 19.2 feet at 11 pm cst on October 31 before falling below its flood stage at 4 pm cst on November 2.									
<b><u>OKLAHOMA, Extreme Southeast</u></b>									
NONE REPORTED.									
<b><u>OKLAHOMA, Panhandle</u></b>									
<b>Cimarron County</b>									
3 SSE Boise City	28	1320CST			0	0			Thunderstorm Wind (G59) <sup>M</sup>
<b>OKZ003</b>									
	28	1800CST			0	0	8K		Flood
Flooding of ranchland and farmland along with water into a couple of homes was reported one mile southeast of Gate Oklahoma. Severe thunderstorms with high winds developed in the western Oklahoma panhandle during the early afternoon hours and a severe thunderstorm with flooding rains occurred in the eastern Oklahoma panhandle during the early evening hours.									
<b><u>OKLAHOMA, Western, Central and Southeast</u></b>									
<b>Ellis County</b>									
1 E Catesby	15	1135CST			0	0			Hail (0.88)
<b>Ellis County</b>									
9 N Gage	15	1155CST			0	0			Hail (1.75)
<b>Cotton County</b>									
4.5 W Temple to 3 SSW Walters	21	1635CST 1641CST			0	0			Funnel Cloud
A police dispatcher from Temple observed this funnel cloud as it moved northward toward Walters. Later a tornado developed 3 miles south-southwest of Walters, resulting in minor damage.									
<b>Cotton County</b>									
3 SSW Walters to 1 NW Walters	21	1641CST 1655CST	4	30	0	0	1.5K		Tornado (F0)
Damage from this tornado was very minor and confined to an area from 1 mile west of Walters to 1 mile northwest of Walters. A few swing sets were overturned. A television antenna was bent, and an empty agricultural trailer was rolled about 50 feet over a chain-link fence. In addition, south and west facing doors were blown off a sheet metal storage building at the Rodeo Expo Center on Highway 53, which is on the northwest side of Walters. A small section of the roof was also peeled back.									
<b>Tillman County</b>									
3 N Frederick	22	1030CST			0	0			Flash Flood
A vehicle was swept off the road due to fast flowing water.									
<b>Caddo County</b>									
Southwest Portion	22	1136CST			0	0			Flash Flood
Highway 58 was closed between Carnegie and Highway 19 due to high water.									
<b>Caddo County</b>									
6 SE Binger to 6 ENE Binger	22	1514CST 1526CST	4	30	0	0	2K		Tornado (F0)
This tornado developed east of Binger, about 2 miles south of the Highway 152/Highway 281 intersection and was observed by 4 people. It tracked northward for 4 miles before dissipating, blowing over 2 old, wooden barns, a medium-sized tree, and damaging another medium-sized tree.									
<b>Comanche County</b>									
Lawton	22	1610CST			0	0			Thunderstorm Wind (G52)
<b>Canadian County</b>									
5 SSE Calumet	22	1636CST	0.2	35	0	0	0.50K		Tornado (F0)
This short-lived tornado was observed by an off-duty National Weather Service meteorologist near mile marker 117 on Interstate 40 in Canadian County. A motorhome was blown over, and a highway sign was ripped off its post, consistent with an F0 rating.									
<b>Caddo County</b>									
2 W Cyril	22	1645CST			0	0			Hail (0.75)

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
OKLAHOMA, Western, Central and Southeast									
Caddo County									
4 S Anadarko	22	1652CST			0	0			Thunderstorm Wind (G52)
Grady County									
1 W Rush Spgs	22	1655CST			0	0			Hail (0.88)
Comanche County									
Lawton	22	1703CST			0	0	25K		Lightning
Lightning struck an insulator on West Gore Blvd. and 67th Street causing a power outage to about 1100 homes.									
Pontotoc County									
3 ESE Ahloso	22	1705CST 1708CST			0	0	2.2K		Thunderstorm Wind
A large tree was downed, and a small barn was blown over, both on County Road 361.									
Comanche County									
Lawton	22	1715CST			0	0	13K		Lightning
Lightning struck an air conditioning unit causing some curtains to catch fire. Significant fire and smoke damage occurred to the master bedroom.									
Pontotoc County									
3 NW Stonewall to 4.5 NNW Stonewall	22	1726CST 1732CST	2.5	25	0	0	0		Tornado (F0)
This tornado, rated F0, formed about 3 miles northwest of Stonewall near Highway 3. No damage was observed or reported as it moved northward before dissipating.									
Pontotoc County									
5 SE Francis	22	1800CST	0.1	15	0	0	0		Tornado (F0)
This small tornado formed about 5 miles southeast of Francis and caused no damage (F0) before dissipating.									
Tillman County									
North Portion	22	1800CST			0	0	2K		Flash Flood
Railroad tracks north of Frederick were washed out due to rushing water. Highway 183 was closed between Frederick and Manitou, while State Highway 5c was closed between Manitou and Tipton.									
Oklahoma County									
7 S Oklahoma City to 6 SSE Oklahoma City	22	1802CST 1807CST	1.5	40	0	0	120K		Tornado (F1)
This tornado, rated F1, formed across southern portions of Oklahoma City near the intersection of Interstate 35 and Interstate 240, then moved northward for 1.5 miles before dissipating. Minor structural damage, consisting of 2 broken windows and an air conditioning unit blown off the roof, occurred to the Montgomery Ward Auto Express Store at Crossroads Mall. In addition, roof damage was sustained to several offices and businesses, and numerous homes in the town of Valley Brook.									
Oklahoma County									
4 SSE Oklahoma City to 1.5 ESE Oklahoma City	22	1814CST 1822CST	3	25	0	0	10K		Tornado (F0)
This tornado formed across southern Oklahoma City near the intersection of Eastern and SE 22nd. Minor damage to buildings, trees, and power lines, consistent with an F0 rating, occurred over a narrow, 3 mile path.									
Oklahoma County									
4 NW Midwest City	22	1830CST			0	0			Hail (0.75)
Hail was reported at the interchange of Interstate 40 and Interstate 35.									
Lincoln County									
Chandler	22	2005CST			0	0			Thunderstorm Wind (G52)
Tillman County									
Countywide	22 23	2020CST 0000CST			0	2	75K		Flash Flood
In the city of Tipton, 6 homes were flooded at 2020 CST, and several streets were covered with a half foot of water. At 2130 CST a couple was rescued from their home 3 miles east of Manitou, while at 2200 CST a family was rescued from their home 1 mile east of Frederick, both due to high water. At 0000 CST a vehicle traveling on Red River Gin Road, 3 miles south of Frederick, was swept off the road and into a creek. Both occupants were rescued by boat and treated for injuries, one for a broken leg and the other for lacerations. Many roads, including large segments of Highway 183, were closed during this time.									
Mcclain County									
Newcastle	22	2030CST			0	0	30K		Flash Flood
Several roads were washed out or damaged due to high water.									
Caddo County									
South Portion	22 23	2100CST 0400CST			0	0	6M		Flash Flood

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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## OKLAHOMA, Western, Central and Southeast

Major flash flooding developed across southern Caddo County after many hours of heavy rain and is believed to have first developed in Apache around 2100 CST when Box Elder Creek and Cache Creek, which merge in Apache, overflowed their banks. The worst flooding was observed during the overnight hours with the water then receding gradually over the next few days. Most affected were the housing subdivisions of Woodland Park and Joseyville on the south side of Apache, where approximately 12 families needed to be rescued from trees and roofs, which were surrounded by 7 feet of water in spots. Nearly 200 people were left homeless. Twenty-seven homes were destroyed (19 mobile homes), and 60 homes and 1 business were damaged. At times water flowed very quickly, pushing and dragging large debris including mobile homes, vehicles, and boats considerable distances. Massive damage was also sustained to Apache Elementary and Middle Schools.

Much of downtown Anadarko also flooded with a foot or more of water observed in spots. An estimated 20 homes were destroyed by the flooding, while 60 homes sustained major damage, and 12 apartments and 8 businesses sustained minor damage. Approximately 200 people had to be evacuated from the rising water, most which lived in the northwest part of town. Major damage also occurred to the Boone School and numerous roads and bridges in Boone, about 6 miles west of Apache. At 2210 CST a car was swept off the road in Stecker due to fast moving water. It took several days for the water to recede in some areas, and many roads remained closed for this period.

### **Cleveland County**

**Moore**

**22 2200CST 0 0 Flash Flood**  
Several roads were closed due to flooding on the east side of Moore, including portions of 34th Street and 12th Avenue.

### **Grady County**

**Countywide**

**22 2255CST 0 0 1.5M Flash Flood**  
**23 1100CST**

Major flash flooding developed across a large portion of Grady County after several hours of heavy rain. In Chickasha, streets began closing at 2255 CST on the 22nd due to the rain, however it was not until approximately 0600 CST on the 23rd that the worst flooding developed. That was when Line Creek overflowed its banks allowing water to pour into downtown to a depth of 5 feet in spots. Approximately 30 people were rescued from the roof of cars and homes, and between 200 and 400 people were evacuated from their home. All of Chickasha except the southwest corner of downtown, was flooded, with the worst flooding concentrated along US Routes 62 and 81 leading into Chickasha. Sixty-three businesses received major damage, while 50 homes and the Vo-tech Center sustained minor to major damage. During the night additional road closings, including US Route 62/277 between Chickasha and Blanchard (McClain County), was closed along with Highway 92 between Chickasha and Tuttle.

### **McClain County**

**Newcastle**

**22 2255CST 0 0 Flash Flood**  
Highway 130 just west of County Club Road was covered with water.

### **Kiowa County**

**Snyder**

**22 2300CST 0 0 50K Flash Flood**  
Numerous homes and businesses were flooded, and many people had to be evacuated due to high water.

### **Oklahoma County**

**Bethany**

**22 2320CST 0 0 30K Lightning**  
Lightning struck a house on Briarcreek Drive causing a fire, which resulted in significant damage to the attic and upstairs.

### **Oklahoma County**

**Oklahoma City**

**22 2320CST 0 0 Flash Flood**  
Harrah Road, between Reno and 15th Avenue, was closed due to high water.

### **Cleveland County**

**Norman**

**22 2325CST 0 0 Flash Flood**  
Flooding was reported at the intersection of 12th and Tecumseh and at the intersection of McGee and Lindsey.

### **Lincoln County**

**3 S Chandler**

**23 0100CST 0 0 Flash Flood**  
Traffic on Highway 18, near Deep Fork River, was reduced to one lane due to high water.

Significant flash flooding and 6 tornadoes, mostly small, weak and short-lived, developed on the 22nd, across a 35 mile wide band from near Frederick in southwest Oklahoma northeastward to near Chandler in central Oklahoma. Rainfall amounts in this band averaged 4 to 8 inches. Anadarko in Caddo County, received 10 inches, which classifies as a 250-year rain event. Record-like flooding developed in some areas, particularly across southern Caddo and Grady Counties, from near Apache and Anadarko to near Chickasha.

### **Grady County**

**Chickasha**

**23 2255CST 0 0 Flash Flood**  
Numerous streets in downtown were closed due to high water.

### **Woodward County**

**Mooreland**

**24 0000CST 0 0 20K Flash Flood**  
Numerous streets were covered with water, and at least one home flooded.

### **Woodward County**

**2 WSW Woodward**

**24 2005CST 0 0 Thunderstorm Wind (G57) <sup>M</sup>**  
Wind gust was measured by Oklahoma mesonet.

### **Ellis County**

**Arnett**

**24 2045CST 0 0 Flash Flood**  
Two vehicles were swept off of Highway 283 by fast moving water.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
OKLAHOMA, Western, Central and Southeast									
Woodward County									
Countywide	24	2110CST			0	0			Flash Flood
	25	0600CST							
Numerous streets were closed in Woodward and Mooreland through the night due to high water.									
Ellis County									
Arnett	25	0122CST			0	0			Flash Flood
Several county roads were flooded.									
Ellis County									
Gage	25	0200CST 0300CST			0	0			Flash Flood
Numerous streets were flooded.									
Blaine County									
Watonga	25	0245CST			0	0	10K		Lightning
Lightning struck a utility pole causing damage to wiring and electrical appliances at a nearby house.									
Woods County									
10 NW Waynoka	25	0300CST 0600CST			0	0			Flash Flood
A county road was closed due to high water.									
Harper County									
8 SE Selman	25	0500CST			0	0			Flash Flood
A county road was washed out by moving water.									
Woods County									
Hopeton	25	0700CST			0	0	2K		Flash Flood
A portion of Highway 281, crossing Eagle Chief Creek, was washed away.									
Caddo County									
1 S Apache	25	1005CST			0	0			Flash Flood
Highway 62 was closed due to high water.									
Garfield County									
Enid	25	1100CST			0	0			Flash Flood
Garland Road was closed between Rupe Road and Northeast 15th Street.									
Comanche County									
5 N Geronimo	25	1130CST			0	0			Flash Flood
A county road was closed due to high water.									
Comanche County									
Lawton	25	1200CST			0	0			Flash Flood
Twenty-seven streets were closed due to flash flooding.									
Cotton County									
7 W Randlett	25	1340CST			0	0			Flash Flood
A county road was closed due to high water.									
Cotton County									
4 N Randlett	25	1340CST			0	0			Flash Flood
A county road was closed due to high water.									
Flash flooding developed across portions of western Oklahoma during the evening of the 24th and early morning of the 25th. Although some flooding developed quickly without extremely heavy rain due to saturated soil, significant amounts of rain were recorded across portions of northwest Oklahoma. Three to 6 inches fell in a 20 mile band extending from near Arnett in Ellis County northeastward through Woodward to just west of Alva in Woods County. Local amounts were near 7 inches, with most rain falling in just a few hours.									
Tillman County									
Tipton	26	0640CST			0	0			Flash Flood
Street flooding was reported.									
Jackson County									
8 S Altus	26	0643CST			0	0			Flash Flood
Highway 283 was flooded.									
Stephens County									
8 E Comanche	26	0815CST			0	0	30K		Flash Flood
A bridge was washed out.									
Stephens County									
5 S Comanche	26	0900CST			0	0			Flash Flood
Highway 81 was under water.									
Jefferson County									
1 W Addington	26	0915CST			0	0			Flash Flood
A road was closed due to high water.									

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>OKLAHOMA, Western, Central and Southeast</b>									
<b>Comanche County</b>									
Lawton	26	1500CST			0	0			Flash Flood
Numerous streets were closed due to flooding, including Northeast 15th Street and portions of Railroad Street.									
<b>Stephens County</b>									
2 E Bray	26	1610CST			0	0			Flash Flood
Highway 29 was covered with water.									
<b>Carter County</b>									
5 W Healdton	26	1822CST			0	0			Hail (0.88)
<b>Jefferson County</b>									
6 NNE Ringling	26	1822CST			0	0			Hail (0.88)
<b>Pontotoc County</b>									
Ada	26	1900CST			0	2	30K		Lightning
Lightning struck Polo's Embassy Restaurant on West Main Street, causing a fire. Two people were treated for smoke inhalation at a nearby hospital and released.									
<b>OKZ044</b>									
<b>Cotton</b>									
26	2000CST				0	0			Flood
26	2330CST								
Major flooding of the East Cache Creek near Walters developed after several days of heavy rain forced water to be released from Lake Ellsworth and Lake Lawtonka, which drain into East Cache Creek. The highest stage recorded was 28.32 feet at 2000 CST on the 26th, and is the 12th highest recorded. Moderate flooding of the Deep Red Creek also developed near Randlett with a crest stage of 25.21 feet at 2330 CST on the 26th.									
<b>Jefferson County</b>									
Ringling	26	2020CST			0	0			Flash Flood
Highway 29, north and south of Ringling, was closed due to high water.									
<b>Stephens County</b>									
Duncan	26	2100CST			0	0			Flash Flood
Widespread street flooding was reported.									
<b>Stephens County</b>									
Marlow	26	2101CST			0	0			Flash Flood
Highway 29 was closed from Marlow to Highway 76 due to high water.									
<b>Carter County</b>									
South Portion	26	2200CST			0	0	1.2M		Flash Flood
26	2345CST								
Significant flash flooding developed across the southern half of Carter County after 4 to 5 inches of rain fell over most of the area in a short period of time. The worst flooding occurred between Lone Grove and Ardmore where major damage was sustained to homes, businesses, bridges, roads, and vehicles totaling 1.2 million dollars. Also in Ardmore, a family in the southwest part of the city was rescued from their home, and so was a woman in the northwest part of the city.									
Additional heavy rain fell across portions of southern Oklahoma, resulting in more flooding. Rainfall amounts averaged 2 to 4 inches from near Lawton and Walters in southwest Oklahoma to near Ardmore in south-central Oklahoma. Local amounts approached 6 inches. The worst flooding developed between Lone Grove and Ardmore in Carter County where damage was estimated at 1.2 million dollars.									
<b>Lincoln County</b>									
Stroud	27	1445CST			0	0			Hail (1.75)
<b>Lincoln County</b>									
Stroud	27	1500CST			0	0			Flash Flood
27	1530CST								
Numerous roads in and around Stroud were closed due to high water, including Highway 99 north of Stroud and Highway 66 west of Stroud.									
<b>Oklahoma County</b>									
Edmond	27	1831CST			0	0			Thunderstorm Wind (G55) <sup>M</sup>
Wind gust was measured at the University of Central Oklahoma.									
<b>Oklahoma County</b>									
Edmond	27	1845CST			0	0	500K		Flash Flood
Widespread flash flooding developed after 4.71 inches of rain fell in just a few hours in the city of Edmond. Forty-seven homes and businesses were flooded by water depths averaging 1 foot, resulting in damage mainly to floors, carpet and furniture. Seven people were also rescued from their vehicles.									
<b>Beckham County</b>									
20 SW Erick	28	1635CST			0	0	0.01K		Thunderstorm Wind
Large tree limbs were downed.									
<b>Kiowa County</b>									
3 SE Hobart	28	1748CST			0	0			Thunderstorm Wind (G54) <sup>M</sup>
<b>Kiowa County</b>									
2 NE Cooperton	28	1815CST			0	0			Thunderstorm Wind (G60)

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## OKLAHOMA, Western, Central and Southeast

### **Woodward County**

**2 SE Woodward**      **28**      **1820CST**                **0**      **0**      **1K**           **Thunderstorm Wind**  
A car was damaged at a car dealership.

### **Comanche County**

**Medicine Park**      **28**      **1835CST**                **0**      **0**                **Thunderstorm Wind (G57)**

### **Oklahoma County**

**1 NE Tinker Afb**      **28**      **2115CST**                **0**      **0**      **6K**           **Thunderstorm Wind**  
Power poles were downed, and damaged was sustained to a roof and carport near the intersection of SE 35th and Douglas Avenue.

## OREGON, Central and East

NONE REPORTED.

## OREGON, Northwest

### **Clackamas County**

**2 W Molalla**      **09**      **1815PST**      **0.1**      **75**      **0**      **0**      **50K**           **Tornado (F1)**  
**1845PST**

The tornado occurred along Highway 213 2 miles west of Molalla. One half of a roof was torn from a home, the roof of an apartment complex was damaged, a satellite dish was torn from its mounting, two one foot diameter trees were toppled, and a gate and a dog house, along with smaller items, were strewn about. No injuries were reported.

The tornado occurred along Highway 213. One half of a roof was torn from a home, the roof of an apartment complex was damaged, a satellite dish was torn from its mounting, two-one foot trees were toppled, and a gate and a dog house along with smaller items were strewn about. In addition, a one foot piece of styrofoam was imbedded in the siding of a house. No injuries were reported.

### **Clackamas County**

**2.8 SE Oregon City**      **09**      **1910PST**      **0.1**      **75**      **0**      **0**      **35K**           **Tornado (F1)**  
**1920PST**

This tornado occurred near Henricci and South Beavercreek Road. A large barn was collapsed, a 30 by 40 foot piece of its roof was carried over another barn about 150 feet to the North and some its roofing tin was moved about 100 yards around and to the front of a house. No injuries were reported.

### **ORZ001**

#### **Northern Oregon Coast**

**17**      **1600PST**           **0**      **0**                **High Wind (G51)** <sup>M</sup>  
**2200PST**

A Pacific storm brought high winds to the North Oregon Coast. Clatsop Spit reported sustained winds in the low 50s and a peak gust of 59 mph.

## OREGON, Southeast

NONE REPORTED.

## OREGON, Southwest

### **Curry County**

**Countywide**      **03**      **0730PST**                **0**      **0**                **Wild/Forest Fire**  
**05**      **0800PST**  
See below.

### **Josephine County**

**Countywide**      **03**      **1500PST**                **0**      **0**                **Wild/Forest Fire**  
**05**      **0800PST**

See below.

Due to a forecast offshore wind event, a Red Flag Warning was issued for fire weather zone 618 at 0730 PDT on 10/03. The warning area was expanded to include zones 619 and western 620 at 1500 PDT on 10/03. The offshore event did occur, and it lasted for two nights. Verifying winds (20 mph or greater) were reported on the morning of 10/03 and 10/04 at Red Mound RAWS (zone 618) and on the morning of 10/04 and 10/05 at Onion Mountain RAWS (zone 620). There were several other reports that just missed meeting the criteria, and overnight humidity recoveries were poor. Overall, this warning verified well, even though it was a relatively moderate offshore wind event.

### **ORZ021-021-021-021**

#### **South Central Oregon Coast**

**27**      **2200PST**           **0**      **0**                **High Wind (G74)** <sup>M</sup>  
**28**      **0100PST**

Cape Blanco sustained wind 57 mph.

A strong cold front associated with the first major winter storm of the season brought high winds to the Oregon Coast this night. A High Wind Warning was issued for the coastal headlands in zones ORZ021/022 at 2025 PDT on 10/27/00 and cancelled at 0223 PDT on 10/28/00. The above reports verified the warning in ORZ021. Cape Blanco had a number of observations meeting the criteria; only the highest reported sustained speed and gust are listed above.

No verifying reports were received from ORZ022, but Gold Beach did have a gust to 56 mph. North Bend airport is not on a coastal headland, but it recorded the only wind value meeting the warning criteria that occurred away from the headlands. Overall, it looks like limited the warning to the headlands was a good idea.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## OREGON, Southwest

### **Coos County Countywide**

**29 0733PST  
0930PST** **0 0 0** **Thunderstorm Wind**

See below.

### **Curry County Countywide**

**29 0733PST  
0930PST** **0 0 0** **Thunderstorm Wind**

See below.

Based on satellite imagery and lightning detection data, a Special Marine Warning was issued for the southern Oregon coastal waters. At the time of the warning, it appeared that an organized area of convection was developing over the warning area. This warning did not pan out as development slowed soon after the warning was issued. Only a few thunderstorms developed in the area.

## PACIFIC

### **Guam**

#### **Ritidian Point**

**09 1600SST  
1630SST** **0 1** **Rip Currents**

A man was reportedly pulled over the reef at Ritidian Point by strong currents at about 1600. A Navy HC-5 helicopter and a Guam Fire Department Rescue Unit responded to the call about 1625. The man managed to swim ashore by himself. He received cuts and scratches.

### **Guam**

#### **Ritidian Point**

**23 1415SST  
1800SST** **1 1** **Rip Currents**

At 1421 the Coast Guard received a call from the Fish and Wildlife Service about swimmers being swept over the reef at Ritidian Point by strong currents. Rescuers from Guam Police and Guam Fire Rescue, a Navy HC-5 helicopter and personal watercraft from Andersen Air Force Base searched for the swimmers. The swimmers were two Japanese tourist, one a male (33 years old) the other female. The woman made it back to shore sustaining only cuts and scrapes in the ordeal. The man was not rescued and his body was recovered a few days later. M33IW

## PENNSYLVANIA, Central

### **Warren County**

#### **Columbus**

**04 0548EST** **0 0 2K** **Thunderstorm Wind**

A tree was down on a road in Columbus Township.

### **Mckean County**

#### **2 E Mt Jewett**

**04 0620EST** **0 0 2K** **Thunderstorm Wind**

A tree was down on Route 6, east of Mt. Jewett.

### **Potter County**

#### **Sweden Vly**

**04 0730EST** **0 0 5K** **Thunderstorm Wind**

A tree fell on a car near Sweden Valley on Route 44.

### **Warren County**

#### **Sugar Grove**

**04 0815EST** **0 0 2K** **Thunderstorm Wind**

A tree was down on Rounds Hill Road, southeast of Sugar Grove.

### **Mckean County**

#### **Bradford**

**04 0840EST** **0 0 5K** **Thunderstorm Wind**

Trees were down in the Bradford area.

### **Mckean County**

#### **Ludlow**

**04 0845EST** **0 0 2K** **Thunderstorm Wind**

A tree was down on a road outside of Ludlow.

### **Dauphin County**

#### **Williamstown**

**04 1730EST** **0 0** **Hail (1.00)**

Quarter size hail fell in the area.

### **Cumberland County**

#### **4 NW Newville**

**04 1730EST** **1 0** **Lightning**

A six year old girl was fatally injured when lightning struck her while she was playing outside her Upper Mifflin Township home on the evening of October 4th. Children were out picking up pumpkins for Halloween when the lightning struck. F6OU

### **Schuylkill County**

#### **Pine Grove**

**04 1745EST** **0 0** **Hail (1.00)**

### **Lebanon County**

#### **Lebanon**

**04 1815EST** **0 0 5K** **Hail (1.25)**

Hail fell across the area and trees & wires were down.

### **Lebanon County**

#### **Schaefferstown**

**04 1835EST** **0 0** **Hail (0.88)**

Dime to nickel size hail fell in Schaefferstown and Richland.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
<b><u>PENNSYLVANIA, Central</u></b>									
<b>Lancaster County</b>									
Ephrata	04	1845EST			0	0	3K		Thunderstorm Wind
Trees and wires were down.									
<b><u>PENNSYLVANIA, East</u></b>									
<b>Berks County</b>									
Countywide	04	1700EST 1815EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm knocked over numerous trees, tree limbs and wires throughout Berks County. About 7,000 homes and businesses lost power. Half of the outages were in Hamburg and Kutztown. Small hail also fell in Kutztown and Sinking Springs.									
<b>Lehigh County</b>									
Jacksonville to Allentown	04	1705EST 1745EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm knocked down numerous trees in Lehigh County. The greatest concentration was in the southwest part of the county, the least in the northeast part of the county. Within Allentown itself, about twenty trees were knocked down on roadways. Power outages and small hail were reported in Fogelsville.									
<b>Montgomery County</b>									
Countywide	04	1745EST 1815EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm knocked down several trees and power lines throughout the county. The greatest concentration of outages occurred in the Jenkintown and Abington areas. There were several reports of pea size hail in the county. PECO Energy reported about 31,000 homes and businesses lost power in their service area throughout southeast Pennsylvania.									
<b>Bucks County</b>									
Milford Square	04	1750EST			0	0	20K	0	Lightning
<b>Bucks County</b>									
Trumbauersville to Doylestown	04	1750EST 1810EST			0	0			Thunderstorm Wind (G57)
<b>Bucks County</b>									
Quakertown	04	1755EST			0	0	1K	0	Lightning
A severe thunderstorm produced lightning and wind damage across the northern half of Bucks County. Hardest hit was the east end of Quakertown Borough. Numerous trees were knocked down. Downed trees closed Pennsylvania State Route 313. Downed trees also blocked two other roadways within the borough. Elsewhere across northern Bucks County, trees were knocked down and roads were closed in Plumstead Township, wires and trees were torn down in Milford Township, limbs were knocked down in Haycock Township and lines were knocked down in Doylestown. Lightning also caused damage in Bucks County. In Milford Township, the attic of one home was struck by lightning and the subsequent fire severely burned it. In Quakertown, lightning damaged a chimney. Lightning also struck and knocked out the power to the Grundy House and Independent Court. One resident suffered a hip or leg injury after falling in the dark									
<b>Chester County</b>									
Coatesville	04	1900EST			0	0			Hail (1.00)
<b>Chester County</b>									
Coatesville	04	1900EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm dropped quarter size hail and caused wind damage in and around Coatesville in Chester County. Numerous trees and limbs were knocked down in Coatesville as well as in Downingtown, East and West Brandywine Townships. About 8,000 homes and businesses lost power within the county.									
<b>Carbon County</b>									
Little Gap	28 29	1100EST 1700EST			0	0	0	0	Wild/Forest Fire
<b>Northampton County</b>									
1 NE Danielsville	28	1100EST 1700EST			0	0	0	0	Wild/Forest Fire
The recently unseasonably dry weather, the freshly fallen leaves and breezy wind conditions over the weekend led to three brush fires along the Carbon County/Northampton County line. The first occurred on the 28th near Blue Mountain near Lehigh Gap when a camp fire went out of control. The second and largest fire occurred the same afternoon near the summit of the Blue Mountain. Most of the fire was on the Lehigh Township (Northampton County) side of the mountain. Nearly twenty fire departments responded. About 10 acres were charred before it was brought under control. The third fire occurred on the 29th along Little Gap Highway in Lower Towamensing Township. It reportedly started from someone burning debris and was brought under control within an hour. No property damage or injuries were reported.									
<b>PAZ054&gt;055-060&gt;062-067&gt;071</b>									
<b>Carbon - Monroe - Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia</b>									
	31	2359EST			0	0	0		Unseasonably Dry
October 2000 was an unseasonably dry month across Eastern Pennsylvania. On a county weighted average monthly precipitation totals ranged from 1.0 inch in Delaware County to 1.6 inches in Carbon County. Normal monthly precipitation is around 3.3 inches. The monthly precipitation totals at the Philadelphia and Lehigh Valley International Airports were 1.50 inches and 1.11 inches respectively. While the dry weather did minimal agricultural damage, it left the region susceptible to brush and forest fires because of the newly fallen									



# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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## PENNSYLVANIA, East

leaves.

## PENNSYLVANIA, Northeast

NONE REPORTED.

## PENNSYLVANIA, Northwest

### **Crawford County**

Countywide	04	0400EST			0	0	100K		Thunderstorm Wind
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Thunderstorm winds downed dozens of trees and several power poles across the county. Trees were downed in Meadville, Cambridge Springs and Springboro.

### **Erie County**

Erie	04	0400EST			0	0	100K		Thunderstorm Wind
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Thunderstorm winds downed numerous trees and one power pole in Erie. A house was slightly damaged by a fallen tree.

### **Crawford County**

Conneautville	04	0600EST			0	0	10K		Thunderstorm Wind
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Thunderstorm winds downed a few trees in and around Conneautville.

### **Erie County**

Erie	07	1730EST			0	0			Waterspout
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A waterspout was observed on Lake Erie just offshore from Erie. No damage occurred.

## PENNSYLVANIA, West

### **Beaver County**

Bridgewater	05	1950EST			0	0	1K		Hail (1.75)
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Golfball-sized hail broke the windshield of an ambulance.

### **Butler County**

3 S Zelenople	05	1955EST			0	0			Hail (1.00)
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### **Butler County**

Evans City	05	2000EST			0	0	2K		Thunderstorm Wind
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Thunderstorm winds downed a few trees onto Franklin Road.

### **Butler County**

Cabot	05	2009EST			0	0			Hail (0.75)
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### **Butler County**

Mars	05	2015EST			0	0			Hail (0.75)
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### **Butler County**

Saxonburg	05	2015EST			0	0			Hail (1.00)
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### **Armstrong County**

1 N Kittanning	05	2030EST			0	0	1K		Thunderstorm Wind
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Thunderstorm winds downed a large tree.

## PUERTO RICO

### **Southeast**

Guayama	08	0910AST 0915AST			0	0			Waterspout
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A waterspout was observed 5 miles south of Guayama.

### **San Juan And Vicinity**

San Juan	08	1200AST 1300AST			0	0			Urban/Sml Stream Fld
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A strong thunderstorm caused street flooding over the Condado sector in San Juan.

### **San Juan And Vicinity**

San Juan	10	1500AST 1630AST			0	0	10K		Urban/Sml Stream Fld
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Heavy rains caused urban flooding at Regional and Victor Rojas sectors in San Juan. Five residences were affected by the waters.

### **Central Interior**

Northeast Portion	10	1600AST 1630AST			0	0			Tstm Wind/Hail
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### **San Juan And Vicinity**

Toa Baja	10	1600AST 1630AST			0	0			Tstm Wind/Hail
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Dime size hail was reported in Toa Alta and Naranjito.

### **Central Interior**

Morovis	19	1400AST 1500AST			0	0			Hail (0.75)
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# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
PUERTO RICO									
North Central									
Manati	19	1400AST 1500AST			0	0			Hail (0.75)
A severe thunderstorm produced nickel size hail and strong winds that knocked down tree branches in Morovis and Manati.									
Central Interior									
Ciales	19	1400AST 1500AST			0	0			Urban/Sml Stream Fld
A local resident reported a small stream over a bridge along road 146.									
Mayaguez And Vicinity									
Countywide	19	1600AST 1800AST			0	0			Flash Flood
Western Interior									
Countywide	19	1600AST 1800AST			0	0			Flash Flood
A middle to upper level trough combined with daytime heating produced scattered strong thunderstorms with very heavy rains. Various rivers in San German, Mayaguez and Adjuntas went out of their banks flooding adjacent areas. In Moca a landslide was reported.									
Mayaguez And Vicinity									
San German	19	1600AST 1700AST			0	0			Tstm Wind/Hail
A local resident reported small hail over San German.									
Northeast									
Ceiba	20	1615AST 1625AST			0	0			Waterspout
Navy Personnel from Roosevelt Roads Base observed a waterspout moving inland into a housing area on base. No damage was reported.									
Culebra									
Culebra	22	1445AST 1455AST			0	0			Waterspout
Flight Service Station reported a waterspout about 9 miles west of Culebra.									
Central Interior									
Corozal	23	1500AST 1700AST			0	0			Flash Flood
Heavy rain caused a river in Corozal to overflow its banks flooding adjacent areas. Landslides were also reported.									
Mayaguez And Vicinity									
Mayaguez	23	1515AST 1525AST			0	0			Funnel Cloud
A Private Meteorologist reported a funnel cloud near Mayaguez.									
Northeast									
Ceiba	23	1600AST 1615AST			0	0			Waterspout
Flight Service Station reported a pilot sighting a waterspout just east of Roosevelt Roads Naval Base in Ceiba.									
Southwest									
Cabo Rojo	30	1510AST 1520AST			0	0			Waterspout
Local residents in the Joyuda sector sighted a waterspout off shore.									
RHODE ISLAND									
RIZ004									
Eastern Kent									
09		0000EST 2359EST			0	0			Record Cold
The high temperature of 44 degrees at T.F. Green State Airport broke the previous record low maximum temperature for the date, which was 48 degrees in 1917.									
RIZ001									
Northwest Providence									
28		1200EST 2100EST			0	0	8K		Strong Wind
An intensifying storm system moving away from the East Coast combined with a strong cold front passing through New England to bring strong winds to northern Rhode Island. The strongest winds were felt in the higher elevations of Providence County, where a porch was blown down in West Glocester, near George Washington State Park.									

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## RHODE ISLAND

### **RIZ004**

### **Eastern Kent**

**29 0000EST**  
**2359EST**

**0 0**

**Record Cold**

The high temperature at T.F. Green State Airport in Warwick only reached 41 degrees at 10:00 am. This broke the record for the lowest maximum temperature for the date, which was 42 degrees set in 1952 and previous years.

## SOUTH CAROLINA, Central

NONE REPORTED.

## SOUTH CAROLINA, North Coastal

NONE REPORTED.

## SOUTH CAROLINA, Northwest

### **SCZ001>014-019**

**Oconee Mountains - Pickens Mountains - Greenville Mountains - Greater Oconee - Greater Pickens - Greater Greenville - Spartanburg - Cherokee - York - Anderson - Abbeville - Laurens - Union - Chester - Greenwood**

**01 0000EST**  
**31 2359EST**

**0 0**

**Drought**

Effects of the drought intensified as many areas received absolutely no rain during the month, setting records for the longest stretch without measurable rainfall in several locations. Wells and mountain streams continued to dry up and lake levels continued to drop. Many communities were forced to start more stringent water conservation measures.

## SOUTH CAROLINA, South Coastal

NONE REPORTED.

## SOUTH DAKOTA, Central and North

### **Jones County**

**5 E Draper**

**18 1300CST**  
**1700CST**

**0 0**

**Wild/Forest Fire**

A pickup caught on fire on Interstate-90 starting the nearby ditch on fire. With the strong winds and extremely dry conditions, the fire spread north and burned 800 to 900 acres of grass and pastureland.

### **Brown County**

**4 SE Warner to  
Warner**

**21 1200CST**  
**1530CST**

**0 0**

**Wild/Forest Fire**

A combine harvesting soybeans started a cropland fire southeast of Warner. Due to the extremely dry and windy conditions, the fire spread northwest towards Warner. Residents on the south side of Warner had to be evacuated as the fire came within 300 feet of the town before it was stopped. Almost 100 firefighters battled the blaze throughout the afternoon. The fire damaged a few pieces of farm equipment and also threatened a few buildings.

### **Corson County**

**1 NE Mc Laughlin to  
9 NE Mc Laughlin**

**21 1330CST**  
**22 0500CST**

**0 0**

**Wild/Forest Fire**

Due to the extremely dry and windy conditions, a grassland fire northeast of McLaughlin consumed over 9000 acres of grass and pastureland. The fire was possibly ignited by a spark from power lines slapping together in the high winds or a dumped ashtray. Many fences were cut to allow livestock to escape the fire. Also, several buildings were threatened by the wildfire.

### **Brown County**

**Aberdeen**

**26 0900CST**  
**1400CST**

**0 0**

**Flood**

Very heavy rains of 3 to 4 inches caused flooding in and around Aberdeen. The flooding resulted in several stalled vehicles along with some damage to basements and streets. Some streets had to be closed until the water went down. The Aberdeen Central High School had many leaks and received water damage to several walls. Water had to be pumped out of the Civic Theaters Orchestra pit. The 3.75 inches of rain that fell at the Aberdeen National Weather Service was the fourth greatest calendar day total since 1932. The greatest 2 hour and 3 hour rainfall rate records were also set on this day.

## SOUTH DAKOTA, Southeast

NONE REPORTED.

## SOUTH DAKOTA, West

### **Butte County**

**3 N Belle Fourche**

**13 1800MST**

**0 0**

**Hail (1.00)**

### **Butte County**

**4 N Belle Fourche**

**13 1822MST**  
**1835MST**

**0 0**

**Hail (1.00)**

Hail was reported to be several inches deep.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## **SOUTH DAKOTA, West**

### **Pennington County**

Hill City 14 0158MST 0 0 Hail (0.88)

### **Bennett County**

6 SE Martin 14 1855MST  
1925MST 0 0 Hail (0.75)

### **Ziebach County**

Countywide 19 0600MST  
20 2300MST 0 0 Wild/Forest Fire

A fire in southern Ziebach county grew to 12,000 acres as strong winds hindered fire fighters. The fire threatened the community of Cherry Creek, but fire fighters were able to hold back the blaze.

## **TENNESSEE, Central**

NONE REPORTED.

## **TENNESSEE, East**

NONE REPORTED.

## **TENNESSEE, West**

NONE REPORTED.

## **TEXAS, Central**

### **Taylor County**

Abilene 17 0915CST 0 0 Hail (1.00)

### **Taylor County**

Abilene 17 0945CST  
1440CST 0 0 2M Flash Flood

A line of nearly stationary thunderstorms developed over Abilene, dumping as much as 7 inches of rain in just 3 hours. Downtown Abilene suffered the heaviest rainfall, causing most city streets to become flooded and impassable. About 50 motorists, and the 3 passengers of a city bus, were rescued from vehicles stalled in high water. Area creeks quickly rose out of their banks, forcing a handful of people to evacuate their homes. Fortunately, there were no reported injuries.

### **Fisher County**

Countywide 20 2200CST  
21 0100CST 0 0 Flash Flood

Rainfall of 3 to 5 inches across parts of Fisher County caused minor flash flooding throughout the county. Highway 70 just north of Roby was closed due to high water, as well as many smaller county roads.

### **Kimble County**

Countywide 23 1330CST  
24 0000CST 0 0 Flash Flood

Highway 377 was closed due to high water, as thunderstorms dumped 3 to 5 inches of rain across parts of Kimble County. Several residents along the South Llano River were evacuated as the river climbed out of its banks.

### **Sutton County**

Countywide 23 1550CST  
24 0000CST 0 0 Flash Flood

A series of thunderstorms moved slowly northward across the county, producing 4 to 6 inches of rain. Flooding was widespread, with many roads flooded and impassable. Several vehicles were reported trapped between flooded draws along Highway 189 in southwest Sutton County.

### **Crockett County**

Countywide 23 1557CST  
24 0400CST 0 0 Flash Flood

A series of thunderstorms dropped 4 to 6 inches of rain across parts of Crockett County. Many roads across the county were closed due to high water, including Highway 163 and County Roads 1691, 405, and 406.

### **Mason County**

Countywide 23 1740CST  
24 0000CST 0 0 Flash Flood

Thunderstorms moving slowly northward across Mason County produced 3 to 5 inches of rain. Roads across the county were flooded and impassable, including Ranch Road 1871 where 3 feet of water covered the roadway at Whites Crossing.

### **McCulloch County**

Countywide 23 1740CST  
1900CST 0 0 Flash Flood

Slow moving thunderstorms produced 3 to 5 inches of rain across McCulloch County. Roads became flooded and impassable, including Ranch Roads 1311 and 714.

# Storm Data and Unusual Weather Phenomena

October 2000

									October 2000
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
TEXAS, Central									
San Saba County									
Northwest Portion	23	1933CST 2100CST			0	0	5K		Flash Flood
Thunderstorms dropped 3 to 5 inches of rain across the northwest sections of San Saba County. Several roads were reported flooded, while water entered a house in Richland Springs.									
Brown County									
East Central Portion	23	2105CST 2300CST			0	0			Flash Flood
Slow moving thunderstorms produced 3 to 5 inches of rain along the Brown and Mills County line. Ranch Road 45 was closed due to high water.									
Irion County									
Countywide	23 24	2221CST 0000CST			0	0			Flash Flood
An area of slow moving thunderstorms produced 3 to 5 inches of rain across the central and western sections of Irion County. Low water crossings across the county became flooded and impassable when Spring Creek began to climb out of its banks.									
Coke County									
Countywide	23 24	2305CST 0100CST			0	0			Flash Flood
Slow moving thunderstorms produced 3 to 5 inches of rain across the central and western sections of Coke County. Several roads were flooded and impassable, including Highway 208 south of Robert Lee. Three feet of water covered the roadway									
Tom Green County									
Northwest Portion	24	0045CST 0200CST			0	0			Flash Flood
Highway 87 northwest of San Angelo was closed due to high water, when 3 to 5 inches of rain fell during slow moving thunderstorms.									
Taylor County									
Abilene	24	0140CST 0400CST			0	0			Flash Flood
Slow moving thunderstorms dropped 2 to 4 inches of rain across Abilene, causing extensive street flooding across the city. A slow moving upper level storm system combined with abundant moisture to create torrential rainfall across much of West Central Texas. Rain totals of 3 to 6 inches were common across the Northwest Hill Country, Northern Edwards Plateau, and the Concho Valley. Many roadways became flooded and impassable, occasionally stranding motorists on the highpoints between flooded low water crossings.									
TXZ169>170									
Kimble - Mason									
	23 25	1500CST 0000CST			0	0			Flood
Heavy rainfall across Edwards, Kimble, and Mason counties caused the Llano River to climb out of its banks. The river crested near Junction at 20.9 feet, or about 4.9 feet above flood stage. At Mason, the river crested near 19.2 feet, or 6.2 feet above flood stage. Low water crossings along the river were flooded and impassable, although no damage or injuries were reported.									
TXZ072									
Tom Green									
	24 25	0900CST 0000CST			0	0			Flood
Heavy rainfall across Sterling and Tom Green counties caused the North Concho River to climb out of its banks. The river crested near Carlsbad at 16.4 feet, or 4.4 feet above flood stage. Low water crossings along the river became flooded and impassable.									
Sutton County									
18 S Sonora to 21 S Sonora	28	1803CST 1810CST	3	20	0	0			Tornado (F0)
A storm spotter tracked a tornado for 7 minutes in extreme southern Sutton County, remaining south of Interstate 10. Damage was light.									
Sutton County									
20 SE Sonora	28	1825CST	0.1	20	0	0	5K		Tornado (F0)
A tornado briefly touched down in extreme southeast Sutton County, toppling a few trees and causing minor structural damage.									
Kimble County									
19 W Junction	28	1845CST			0	0			Hail (0.88)
Nickel size hail fell along the Sutton-Kimble County line.									
Sutton County									
21 SE Sonora	28	1845CST			0	0			Hail (0.88)
Schleicher County									
Central Portion	28 29	2215CST 0115CST			0	0			Flash Flood
Heavy thunderstorms produced flooding across the central sections of Schleicher County. Ranch Road 915 just northwest of Eldorado was reported to have a foot of water flowing across the roadway									
Sutton County									
West Portion	28 29	2215CST 0115CST			0	0			Flash Flood

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
TEXAS, Central									
Thunderstorms across the western sections of Sutton County produced heavy rainfall and flash flooding, with several roads closed due to high water.									
Menard County									
Countywide	28	2300CST			0	0			Flash Flood
	29	0100CST							
Thunderstorms producing torrential rainfall moved slowly across Menard County, producing flash flooding. Several roads were closed due to high water, including Ranch Roads 2092, 1311, and 1773.									
Brown County									
Brownwood	29	0520CST			0	0	5K		Flash Flood
		0630CST							
Heavy rainfall of 3 to 5 inches caused significant flooding in Brownwood. One apartment complex had a small amount of water enter the ground floor residences, while many city streets were impassable.									
An area of thunderstorms developed along a cold front moving through the southeast sections of West Central Texas. A supercell developed in southern Sutton County, producing two tornadoes, but little damage. The front then stalled overnight, with thunderstorms training across parts of the Northwest Hill Country and Heartland. Three to five inches of rain was common, causing flooding and road closures.									
Menard County									
Northwest Portion	29	0915CST			0	0			Flash Flood
		1100CST							
Heavy rainfall of 3 to 5 inches caused many creeks and draws in northwest Menard County to rise. Highway 190 at the intersection of Ranch Road 864 was closed when the San Saba River rose and flooded a low water crossing. Ranch Road 2092 just east of Menard was also flooded as Scalp Creek climbed out of its banks.									
TEXAS, Central Southeast									
Wharton County									
Mustang	21	1540CST			0	0			Funnel Cloud
Liberty County									
Moss Hill	22	1823CST			0	0	15K		Hail (0.88)
Liberty County									
Northeast Portion	22	1940CST			0	0	500K		Flash Flood
	23	0400CST							
Several homes flooded in the Rye and Moss Hill areas. Portion of FM 787 washed out in Romayor. SH 146 flooded and closed to cars north of Moss Hill. Total of 8.5 inches of rainfall in Rye and 10 inches in Votaw.									
TEXAS, Extreme West									
Hudspeth County									
5 N Sierra Blanca	12	1705MST			0	0			Hail (1.25)
Hudspeth County									
2 N Dell City	16	1500MST			0	0			Hail (1.25)
TEXAS, Mid - South									
Nueces County									
2 N Robstown	06	1500CST	0.1	.1	0	0			Tornado (F0)
As a thunderstorm moved south through San Patricio County, several funnel clouds were spotted by local law enforcement. When the storm moved into Nueces County, a tornado briefly touched down along the US-77 bypass north of Robstown. No damage or injuries were reported.									
Victoria County									
3 W Victoria	22	1101CST	0.3	.1	0	0			Tornado (F0)
		1106CST							
Victoria Police reported a funnel cloud at 12pm CDT near Farm to Market 236, then reported a tornado touchdown one minute later. Tornado tracked through a wooded area. A NWS Storm Survey Team reported tree limbs were seen in the air, and several trees were knocked down. No other damage or injuries were reported.									
TEXAS, North									
Wise County									
2 SE Rhome	15	1345CST			0	1			Lightning
A boy was in critical condition after being struck by lightning in the parking lot of the Texas Motor Speedway.									
McLennan County									
(Act)Madison-Cooper	16	1432CST			0	0			Thunderstorm Wind (G52) <sup>M</sup>
McLennan County									
Bellmead	16	1453CST			0	0			Hail (0.75)
Scattered showers and thunderstorms moved across North Texas, with some reports of heavy rain and a lot of lightning. Most storms remained below severe limits, but once cell in McLennan county did become severe.									
Eastland County									
2 S Desdemona to .5 E Desdemona	22	1140CST	2.5	20	0	0	25K		Tornado (F0)
		1142CST							

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Estimated Damage Property Crops	Character of Storm
<b>TEXAS, North</b>								
A tornado touched down just south of town and moved north-northeast with intermittent touchdowns for 2.5 miles. Damage was done to an abandoned turkey barn, three sheds, a house, a mobile home, a car and power lines.								
<b>Tarrant County</b> Arlington	22	1500CST			0	0	0.50K	Thunderstorm Wind (G60)
Thunderstorm winds blew down a tree that was 2 feet in diameter. Eight inch limbs were broken off other trees. Isolated thunderstorms developed across North Texas. Many areas remained dry, but some locations received rain amounts in excess of 1 inch. One particularly intense cell moved through Eastland county, spawning a tornado which did some damage as it moved across the area. Another cell moved across the eastern portions of Tarrant county, causing some damage to trees.								
<b>Mills County</b> Countywide	28	2030CST			0	0		Thunderstorm Wind (G52)
Trees were blown down by high thunderstorm winds in the northwest part of the county.								
<b>Johnson County</b> Cleburne	29	0030CST			0	0	20K	Thunderstorm Wind
High thunderstorm winds damaged roofs and fences. A large tree was uprooted and a large storage barn and horse shed were destroyed. A horse in the shed was killed when the shed collapsed. Heavy rain and thunderstorms developed across the southwestern portions of North Texas, generally in a line from Goldthwaite to Glen Rose. Additional activity was observed from Glen Rose to Cleburne to Plano, and from Mineral Wells to Gainesville. Some of the thunderstorms which developed caused wind damage across the southwestern counties.								
<b>TEXAS, North Panhandle</b>								
<b>TXZ001&gt;020</b>	Dallam - Sherman - Hansford - Ochiltree - Lipscomb - Hartley - Moore - Hutchinson - Roberts - Hemphill - Oldham - Potter - Carson - Gray - Wheeler - Deaf Smith - Randall - Armstrong - Donley - Collingsworth							
	01	0000CST			0	0	64M	Drought
	03	2359CST						
A slight drought struck the Texas panhandle in early October as reported by the USGS. Corn yield losses were estimated at thirty-four million dollars...sorghum yield losses were estimated at sixteen million dollars...soybean yield losses were estimated at four million dollars...and dry land wheat yield losses estimated at ten million dollars.								
<b>Donley County</b> Clarendon	14	1828CST			0	0		Hail (1.00)
<b>Donley County</b> Howardwick	14	1843CST			0	0		Hail (1.75)
<b>Gray County</b> 11 N Mc Lean	14	1926CST			0	0		Hail (1.75)
Severe thunderstorms developed across the southeastern Texas panhandle during the evening hours producing large hail.								
<b>Randall County</b> 5 SE Amarillo to 5 ESE Amarillo	23	1310CST 1315CST	0.4	50	0	0	3K	Tornado (F0)
The tornado initially touched down near Loop 335 and Whitaker Road five miles southeast of Amarillo. As the tornado moved north...it touched down two or three additional times during its lifetime for only a few seconds each time as it moved across the eastern sections of Amarillo. The tornado caused minor damage to a barn and a few telephone poles in Randall county before moving into Potter county. The tornado path width and length was estimated.								
<b>Potter County</b> 5 ESE Amarillo to 6 NE Amarillo	23	1315CST 1340CST	0.4	50	0	0	12K	Tornado (F0)
The tornado...which began in Randall county...touched down three or four times during its lifetime for only a few seconds each time as it moved across the eastern sections of Amarillo. The tornado caused minor damage at a water park and also a grain elevator in northern Potter county before dissipating. The tornado path width and length was estimated.								
<b>Deaf Smith County</b> 23 W Hereford	23	1415CST			0	0		Hail (1.50)
<b>TXZ011</b>	Oldham							
	23	1745CST 1830CST			0	0		Flood
Water was reported over the road one half mile east of intersection 385 and 101. The service road at mile marker 23 south of Interstate 40 was reported under water. Severe thunderstorms developed across the southwestern and south-central Texas panhandle producing a tornado over the eastern sections of the city of Amarillo along with flooding rains and large hail across the southwestern Texas panhandle.								
<b>TXZ015</b>	Wheeler							
	24	2235CST 2300CST			0	0		Flood
The North Fork of the Red River two miles north of Shamrock briefly touched its five foot flood stage...but no damage was reported.								
<b>Deaf Smith County</b> 1 NE Hereford	28	1310CST			0	0	8K	Thunderstorm Wind (G56)
Power lines were blown down...barn was destroyed and a roof was blown off of a mobile home.								

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
TEXAS, North Panhandle									
Potter County									
6 NW Amarillo	28	1406CST			0	0			Thunderstorm Wind (G52)
Randall County									
5 S Amarillo	28	1410CST			0	0	2K		Thunderstorm Wind (G59)
A sign was blown down...large trees were blown over and a fence was reported damaged.									
Carson County									
Groom	28	1535CST			0	0			Thunderstorm Wind (G52)
Collingsworth County									
1 W Quail	28	1555CST			0	0			Thunderstorm Wind (G52)
Wheeler County									
Kellerville	28	1611CST			0	0	1K		Thunderstorm Wind (G56)
A barn was reported damaged by the high winds.									
Gray County									
5 NE Mc Lean	28	1615CST			0	0	3K		Thunderstorm Wind (G56)
Wheeler County									
8 E Shamrock	28	1630CST			0	0	10K		Thunderstorm Wind (G56)
Tractor-trailer trucks were reported blown over by the high winds.									
Lipscomb County									
Lipscomb	28	1655CST			0	0			Thunderstorm Wind (G52)
A large tree was reported blown over by the high winds.									
Severe thunderstorms with damaging winds developed over the southwest Texas panhandle during the early afternoon hours and then quickly spread east and northeast across the central and eastern sections of the panhandle by the late afternoon and early evening hours.									
Moore County									
15 E Dumas	31	1603CST			0	0			Hail (0.88)
Hansford County									
7 WSW Gruver	31	1610CST			0	0			Hail (1.00)
Hutchinson County									
15 N Stinnett	31	1627CST			0	0			Hail (1.00)
Potter County									
Bushland	31	1630CST			0	0			Hail (0.75)
Hutchinson County									
3 W Pringle	31	1645CST			0	0			Hail (0.88)
Potter County									
20 N Amarillo	31	1645CST			0	0			Hail (0.75)
Hutchinson County									
Stinnett	31	1650CST			0	0			Hail (0.88)
Hutchinson County									
Stinnett	31	1715CST			0	0			Hail (0.88)
Carson County									
White Deer	31	1905CST			0	0			Hail (0.75)
Carson County									
White Deer	31	1928CST			0	0			Hail (0.75)
Severe thunderstorms with hail developed across the central sections of the Texas panhandle during the early evening hours.									

## TEXAS, Northeast

<b>Bowie County</b>									
3 N New Boston	06	0012CST			0	0			Hail (0.75)

## TEXAS, South

<b>TXZ248&gt;255</b>									
<b>Zapata - Jim Hogg - Brooks - Kenedy - Starr - Hidalgo - Willacy - Cameron</b>									
01	0000CST				0	0			Drought
31	0000CST								

Although beneficial rains fell during the month of October across much of the Valley, it was not enough to break the ongoing drought. The drought continues to plague much of deep south Texas. Both mandatory and voluntary conservation water restrictions remain in effect. Sub soil moisture remains very dry. Many stock ponds have dried. Thus far, both Zapata and Starr counties have received presidential declarations from the drought. Please refer to the August Storm Data report for more information.

In fact, the average departure from normal for deep south Texas was around 8.3 inches. La Joya reported 11.89 inches below normal, McCook measured 10.74 inches below normal, Rio Grande City was 8.19 inches below normal, Brownsville reported 8.88 inches below normal, McAllen measured 7.52 inches below normal, and Harlingen was 5.68 inches below normal.

The pool elevation for Falcon Lake was 253.59 feet which is 47.61 below normal elevation of 301.20 feet.



# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
TEXAS, South Central									
TXZ171>173-183>194-202>209-217>225-228	Llano - Burnet - Williamson - Val Verde - Edwards - Real - Kerr - Bandera - Gillespie - Kendall - Blanco - Hays - Travis - Bastrop - Lee - Kinney - Uvalde - Medina - Bexar - Comal - Guadalupe - Caldwell - Fayette - Maverick - Zavala - Frio - Atascosa - Wilson - Karnes - Gonzales - De Witt - Lavaca - Dimmit	01 0001CST 23 2359CST			0	0			Drought
Widespread rainfall developed on the 17t h across South Central Texas, with repeat heavy rainfall on October 22 through October 24. The drought, already weakened by the rainfall of the 17th, ended with the additional widespread heavy rain.									
Bandera County South Portion	17	0900CST 1500CST			0	0	10K	0	Flash Flood
General rainfall of 2 inches was reported across Bandera County, with widespread totals of up to 5 inches and the maximum amount of just over 7 inches at Tarpley. Widespread flash flooding was reported over roads and low water crossings across the southern half of the county from early morning until the mid morning.									
Medina County East Portion	17	0930CST 1700CST			0	0	100K	50K	Flash Flood
General rainfall of 1 inch was reported across Medina County, with widely scattered 2 to 3 inch amounts and isolated maximum from just south of Tarpley to near Medina Lake of up to 7 inches. Flash flooding was reported across the northeast part of the county in the early morning, spreading across the rest of eastern Medina County through the late morning.									
Bexar County West Portion	17	1330CST 1700CST			0	8	30K	0	Flash Flood
Heavy rainfall across the western part of Bexar County produced a general 2 inch coverage with isolated amounts up to 5 inches. Roads were flooded across the southwest part of the city. Passengers in at least 3 different vehicles were swept away in the rapidly moving wate and had to be rescued. Nearly 15,000 persons were left without power for about an hour in the Kelly AFB portion of San Antonio during the height of the storm.									
Val Verde County South Portion	21	0900CST 1100CST			0	0	10K	0	Flash Flood
Rainfall totals of up to 3 inches produced short-lived flash flooding over the southern part of Val Verde County, generally in the Del Rio area.									
Caldwell County 4 S Martindale	22	1535CST 1536CST	0.2	30	0	0	3K	0	Tornado (F0)
A small and short-lived tornado touched down briefly near a home. It lifted a metal barn vertically, twisting and tossing it.									
Caldwell County 4 S Martindale to 5 NW Martindale	22	1535CST 1550CST			0	0	5K	0	Thunderstorm Wind
A downburst from a severe thunderstorm damaged trees, homes between Martindale and Kyle									
Hays County 5 SE Kyle to .5 SE Kyle	22	1550CST			0	0	15K	0	Thunderstorm Wind
A downburst from a severe thunderstorm damaged trees, homes between Martindale and Kyle									
Hays County San Marcos Muni Arpt	22	1540CST			0	0	0	0	Funnel Cloud
A funnel was observed by a pilot on the runway.									
Travis County Austin	22	1625CST 1635CST			0	0	0	0	Hail (1.75)
Reported by Ham spotters near William Cannon drive and I-35.									
Bastrop County Paige	22	1700CST 1710CST			0	0	20K	0	Thunderstorm Wind
Winds from a severe thunderstorm blew down trees and caused damage to metal outbuildings.									
Lee County Fedor	22	1720CST 1730CST			0	0	20K	0	Thunderstorm Wind
Severe thunderstorm winds knocked over trees and small outbuildings.									
Bexar County 8 W San Antonio	23	0235CST 0236CST	0.5	100	0	0	50K	0	Tornado (F0)

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## TEXAS, South Central

A small and short-lived tornado touched down near Culebra and I-35, causing minor damage to the roof of a motel and a police substation. Widespread damage was reported to car windows.

### Bexar County

West Portion	23	0330CST 0800CST			0	0	50K	10K	Flash Flood
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### Kendall County

South Portion	23	0500CST 1300CST			0	0	50K	10K	Flash Flood
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### Frio County

North Portion	23	0600CST 0730CST			0	0	20K	20K	Flash Flood
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### Medina County

East Portion	23	0600CST 0900CST			0	0	200K	100K	Flash Flood
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Heavy rain began falling near 0200CST in the San Antonio area, and spread over the following three hours into Kendall, Frio and Medina Counties just to the west and northwest of San Antonio. General 1 to 2 inch amounts were reported across the four county area, with isolated totals of up to 7 inches across eastern Medina County and western Bexar County. With much of the soil already saturated from rainfall in the first two weeks of October, widespread flash flooding developed quickly over the four county area closing roads and continuing through the early morning hours. The most damaging flooding took place along the Medina/Bexar County line. A portion of the town of LaCoste, in Medina County, was flooded by the rising water, forcing evacuations of around a dozen homes. Schools were forced to close due to the numerous roadblocks, causing delays and great difficulties in returning students to their homes. Two homes were reported flooded near LaCoste in western Bexar County. Two other homes suffered minor flood damage in Boerne in Kendall County.

### Kerr County

East Portion	23	0830CST 1500CST			0	0	50K	0	Flash Flood
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### Real County

Countywide	23	1000CST 1500CST			0	0	30K	0	Flash Flood
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### TXZ186-203-203

#### Kerr - Uvalde

23	1000CST			0	0				Flood
24	1100CST								

### Uvalde County

North Portion	23	1000CST 1100CST			0	0	20K	0	Flash Flood
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### Edwards County

East Portion	23	1100CST 1700CST			0	0	25K	0	Flash Flood
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### Bandera County

West Portion	23	1130CST 1500CST			0	0	25K	0	Flash Flood
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### Val Verde County

Southeast Portion	23	1500CST 1800CST			0	0	25K	0	Flash Flood
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Heavy rain continued to spread westward during the morning of Oct 23 into the Texas Hill Country and Edwards Plateau. Rainfall accumulating at up to 2 inches per hour in the storms quickly produced general half-inch amounts with widespread 2 to 3 inch amounts and isolated totals of up to 6 inches in central Kerr County and eastern Real County. Flash flooding continued through the mid morning in many of the counties. The Guadalupe River was in flood from 23/1000CST through 24/0100CST, reaching a crest at Hunt of 22.40 feet (flood stage is 12 feet) and a crest at Kerrville of 17.93 feet. The rising water trapped around 70 students at Hunt. They had to stay in place overnight before they could return home. The Nueces River at Concan in Uvalde County was in flood from 23/1000CST through 24/1100CST. It crested at 18.29 feet on 23/1900CST. Flood stage is 12.0 feet. It crested at 14.80 feet at Laguna, where flood stage is 10.0 feet. The Sabinal River in Eastern Uvalde County was in flood from 23/2200CST through 24/0100CST. It crested at Sabinal at 14.52 feet on 23/2300CST. Flood stage is 12.0 feet.

### TXZ205

#### Bexar

23	2000CST			0	0				Flood
24	0300CST								

Leon Creek was in flood from 23/188CST through 24/0200CST and crested near I-35 in San Antonio at 16.89 feet on 23/2200CST. Flood stage is 15.0 feet. The Medina River was in flood from 23/2000CST through 24/0300CST and crested at 19.66 feet on 23/2100CST. Flood stage is 13.0 feet.

### TXZ171

#### Llano

24	1000CST 2300CST			0	0				Flood
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Rainfall brought the Llano River at Llano above the flood stage of 12.0 feet reaching a crest of 18.72 feet.

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
TEXAS, South Panhandle									
TXZ021>044	Parmer - Castro - Swisher - Briscoe - Hall - Childress - Bailey - Lamb - Hale - Floyd - Motley - Cottle - Cochran - Hockley - Lubbock - Crosby - Dickens - King - Yoakum - Terry - Lynn - Garza - Kent - Stonewall								
	01	0000CST			0	0			Drought
	31	2300CST							
The long-term drought conditions that began early this summer across the South Plains, extreme Southern Texas Panhandle, and the Rolling Plains eased during October as widespread and occasionally moderate to heavy precipitation returned to the area during the last three weeks of the month. According to the Climate Prediction Center, the precipitation was significant enough to return soil moisture conditions to near normal by the end of October. For agricultural interests, this rainfall was too little too late to result in any substantial improvement in crop yield. Not only was the precipitation not helpful but in fact it was detrimental to the farmer's harvesting efforts toward the middle and end of the month. An estimate of agricultural damage that resulted from this year's drought will not be available until the crops have been harvested and an assessment is made regarding the actual yields that farmers across the area realized. Detailed estimates of crop damage will be included at a later time.									
Terry County									
9 E Wellman	14	1655CST			0	0	45K		Hail (0.75)
Hail up to dime size covered the ground.									
Yoakum County									
2 W Denver City	16	1745CST			0	0	30K		Hail (0.88)
Yoakum County									
Denver City	16	1745CST			0	0	75K		Hail (1.75)
Hale County									
7 S Cotton Center	22	1500CST			0	0	30K		Tstm Wind/Hail
Small, wind-driven hail destroyed about 100 acres of cotton.									
Hale County									
3 W Cotton Center	24	1615CST			0	0	30K		Hail (0.75)
Garza County									
Post	25	0913CST			0	0			Flash Flood
		1656CST							
Numerous roads were flooded and subsequently closed in town.									
Lynn County									
10 E Odonnell	25	1000CST			0	0			Flash Flood
		1400CST							
Portions of Farm-to-Market Road 1054 were flooded and subsequently closed.									
Garza County									
Justiceburg	25	1037CST			0	0			Flash Flood
		1500CST							
Roads in and around town were reported flooded, including portions of Highway 84.									
Garza County									
Countywide	25	1200CST			0	0			Flash Flood
		1500CST							
Many roads were reported flooded across the county.									
Garza County									
Post	25	1656CST			0	0			Flash Flood
		1800CST							
Several roads in town continued to be flooded.									
Bailey County									
1 W Goodland	28	1203CST			0	0	0		Thunderstorm Wind
A tree was blown down onto Highway 54 west of town.									
Parmer County									
Friona	28	1250CST			0	0	25K		Thunderstorm Wind
Strong wind turned over a trailer house and destroyed it. Several roofs were also removed from outbuildings by thunderstorm wind.									
Bailey County									
1 W Muleshoe	28	1252CST			0	0	2K		Thunderstorm Wind
Strong wind blew down power lines.									
Hale County									
Plainview	28	1349CST			0	0	20K		Thunderstorm Wind (G51) <sup>M</sup>
Strong wind blew the roofs off several compress buildings and blew down power lines. A 59 mph wind gust was recorded at the Plainview Airport.									
Garza County									
2 NE Post	28	1358CST			0	0			Thunderstorm Wind (G53) <sup>M</sup>
Strong wind blew down large tree limbs and a tree along Highway 84. The TXDOT mesonet site in Post measured wind gusts up to 61 mph.									

# Storm Data and Unusual Weather Phenomena

October 2000

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
TEXAS, South Panhandle									
Crosby County Cone	28	1414CST			0	0	30K		Thunderstorm Wind
Strong wind damaged the roof of the school, destroyed a carport, damaged the roof of a home, and blew down trees.									
Childress County (Cds)Childress Arpt	28	1543CST			0	0			Thunderstorm Wind (G55) <sup>M</sup>
Childress County 12 N Childress	28	1555CST			0	0	0		Thunderstorm Wind
Trees were blown down along Highway 83.									
Hockley County 5 W Levelland	31	1906CST			0	0	75K		Hail (1.75)
Lubbock County Reese Afb	31	2025CST			0	0			Thunderstorm Wind (G52) <sup>M</sup>
The West Texas Mesonet station at Reese Center measured a 60 mph wind gust.									
TEXAS, Southeast									
Hardin County Thicket	22	2000CST 2300CST			0	0	20K		Urban/Sml Stream Fld
Nearly fifteen inches of rain fell across extreme western portions of Hardin County, resulting in minor flooding in Thicket. A church had to be sandbagged to keep water from going into the building. Several streets and dirt roads had minor damage.									
TEXAS, West									
TXZ075-079-081	Pecos - Presidio Valley - Big Bend Area								
	08	0800CST			0	0			Ice Storm
	09	1000CST							
The combination of an upper level disturbance, upslope wind, and ample moisture combined to produce light drizzle during the morning across the Big Bend area. With temperatures hovering near freezing the drizzle soon resulted in ice formation. By late morning ice had begun to accumulate on roads in Brewster county near Alpine and at the McDonald observatory in Jeff Davis county. During the early afternoon freezing drizzle resulted in power outages in Brewster county as up to 1/2 inch of ice accumulation was reported on power lines and trees. Light precipitation continued to fall into the early evening hours with reports of extensive tree damage in Alpine. Slick roads remained a hazard overnight particularly in the mountainous areas.									
Culberson County Pine Spgs	12	1835MST 1935MST			0	0			Hail (0.75)
A severe thunderstorm moved northeast from Hudspeth County into Culberson County and moved across Guadalupe Mountains National Park. Dime size hail was reported at the ranger station at Pine Springs.									
Reeves County 10 S Pecos	14	1550CST			0	0			Hail (0.88)
A severe thunderstorm produced hail up to nickel size covering the ground on Highway 17 south of Pecos.									
Winkler County 4 N Kermit	14	1725CST			0	0			Thunderstorm Wind (G61)
Winkler County 5 N Kermit	14	1740CST			0	0			Hail (0.88)
A severe thunderstorm produced gusts over 60 knots and hail larger than the size of nickels on Highway 18 north of Kermit. The hail accumulation was up to 6 inches deep.									
Ector County Odessa	17	0645CST 1300CST			0	0			Flash Flood
Thunderstorms produced over 2 inches of rainfall in western Ector County and approximately 0.75 of an inch in Odessa resulting in localized flooding in parts of Odessa. Some cars were reportedly stranded.									
Presidio County Marfa	17	1416CST 1419CST			0	0			Hail (1.75)
Brewster County 15 E Alpine	23	1545CST			0	0			Hail (1.75)
The hail was observed on Highway 90.									
Brewster County Marathon	23	1735CST			0	0			Flash Flood
Significant street flooding was reported in Marathon.									
Terrell County Central Portion	23	2015CST 2315CST			0	0			Flash Flood
Flooding was reported on Highway 349, Highway 285, and FM road 2400.									

# Storm Data and Unusual Weather Phenomena

October 2000

									October 2000
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
TEXAS, West									
A series of thunderstorms developed ahead of a southward moving cold front. These thunderstorms resulted in reports of hail up to golfball size and some flash flooding across the Big Bend region and parts of the Lower Trans Pecos.									
Gaines County 8 W Seminole	24	0607CST			0	0			Flash Flood
A car was stranded in flood waters along US Highway 62/180.									
Andrews County 20 W Andrews	24	1540CST			0	0			Flash Flood
Water covering State Highway 176 resulted in a car accident with one injury.									
Midland County 4 N Midland	24	1910CST	0.1	50	0	0			Tornado (F0)
Skywarn spotters and NWS employees viewed a short lived tornado north of the airport.									
Ector County 3 SE Odessa	24	2014CST			0	0			Hail (1.75)
Ector County Gardendale	24	2115CST			0	0			Hail (1.00)
A short wave trough moving across the region triggered a series of storms that resulted in numerous hail reports up to golfball size and extensive flooding in some parts of Permian Basin and South Plains. An isolated tornado was also observed.									
Ector County Notrees	24	1644CST			0	0			Hail (0.75)
Ector County Countywide	24	1710CST			0	0			Flash Flood
25 1300CST A series of thunderstorms produced flooding during the evening of the 24th that continued into the afternoon of the 25th. Radar estimated that 3 to 4 inches of rain fell across much of the county with over 6 inches near Notrees. Numerous roads in the western and northern part of the county were flooded and had to be barricaded									
Ector County 6 S Goldsmith	24	1710CST			0	0			Hail (0.88)
Ector County 7 W Odessa	24	1830CST			0	0			Hail (1.75)
Ector County 5 SW Gardendale	24	1831CST			0	0			Hail (0.75)
Midland County 10 W Midland	24	1900CST			0	0			Hail (1.75)
Midland County 14 W Midland	24	1910CST			0	0			Hail (1.75)
Reported on Highway 158.									
Ector County 7 NE Odessa	24	1927CST			0	0			Hail (1.75)
Ector County 3 S Odessa	24	1939CST			0	0			Hail (0.88)
Dawson County Countywide	25	0200CST 2200CST			0	0			Flash Flood
Numerous thunderstorms that produced very heavy rain moved across Dawson county during the early morning hours. These storms produced widespread 1 to 2 inch rainfall and many areas south and east of Lamesa received between 3 and 4 inches of rain. Additional storms moved through the county several hours later resulting in significant street flooding in Lamesa. Flooding problems continued to worsen through the day and additional storms moved through the area during the late afternoon. Reliable reports of over 5 inches of rainfall were received at Lamesa. The Red Cross reported having to evacuate over 40 people.									
Pecos County 2 W Ft Stockton	25	1400CST			0	0			Hail (0.75)
Dawson County Lamesa	25	1420CST			0	0			Hail (0.75)
TXZ258	28	0955MST			0	0	10K		High Wind (G61)
Non-thunderstorm gradient winds behind a line of thunderstorms damaged buildings in Pine Springs and knocked down tents in the campgrounds.									
Pecos County Ft Stockton	28	1256CST			0	0			Hail (0.88)
Dawson County Lamesa	28	1310CST 1314CST			0	0	8K		Thunderstorm Wind

# Storm Data and Unusual Weather Phenomena

October 2000

									October 2000
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
<b>TEXAS, West</b>									
An apparent gustnado was on the ground for 4 minutes and did damage to roofs across the east side of Lamesa. The gustnado also knocked down power lines, trees limbs, and did other structural damage to buildings.									
<b>Crane County</b> 3 N Crane	28	1340CST 1640CST			0	0			Flash Flood
Major street flooding reported by an amateur radio operator.									
<b>Upton County</b> 18 N Mc Camey	28	1345CST			0	0			Flash Flood
Water was reported over Highway 329.									
<b>Gaines County</b> 10 SW Seminole	28	1215CST			0	0			Thunderstorm Wind (G54) <sup>M</sup>
A storm chaser reported a 54 kt wind with a thunderstorm southwest of Seminole moving northeast.									
<b>Upton County</b> Mc Camey	28	1400CST 1900CST			0	0			Flash Flood
Major flooding was reported in McCamey with some residents evacuated.									
<b>Pecos County</b> Girvin	28	1420CST 1720CST			0	0			Flash Flood
A line of thunderstorms moved across the Trans Pecos region and into the Permian Basin during the early afternoon. The strongest storms produced hail to nickel size and very heavy rain. Flash flooding was a problem in several locations.									
<b>Gaines County</b> Seminole	31	2000CST 2300CST			0	0			Flash Flood
A cluster of thunderstorm developed along the dry line and moved across Gaines County resulting in street flooding in Seminole. Flooding requiring barricades also occurred along US180 between Seminole and Lamesa									
<b>TEXAS, Western North</b>									
<b>Baylor County</b> 8 N Red Spgs	28	1645CST			0	0			Thunderstorm Wind (G52)
<b>Wilbarger County</b> 11 SW Grayback	28	1655CST			0	0			Thunderstorm Wind (G52)
<b>UTAH, East</b>									
NONE REPORTED.									
<b>UTAH, West and Central</b>									
<b>Washington County</b> St George Muni Arpt	10	0915MST			0	0	0	0	Thunderstorm Wind (G57) <sup>M</sup>
A severe thunderstorm produced a wind gust of 66mph (57kts) at the St. George Airport.									
<b>UTZ008-017</b>	<b>Wasatch Mountains South Of I80 - Central And Southwest Mountains</b>								
	11	1200MST			0	0	0	0	Heavy Snow
	12	1200MST							
Heavy snow fell in portions of the Wasatch Mountains, with Alta picking up 11 inches of snow, and Brighton and Solitude 10 inches. Down south, Brian Head reported 9 inches of new snow.									
<b>Washington County</b> Zion National Park	11	1400MST 1500MST			0	0	0	0	Flash Flood
Localized heavy rains fell in the Zion National Park area, producing some flash floods on Pine Creek and in portions of The Narrows. Two parties of 4 hikers were trapped near The Narrows, and were forced to stay overnight as the waters receded. They hiked out the following afternoon and were rescued.									
<b>Davis County</b> Bountiful	13	1345MST 1350MST			0	0	0	0	Funnel Cloud
A funnel cloud was spotted in Bountiful near the temple. It retreated back into the cloud after a few minutes.									
<b>Kane County</b> Orderville	21	1150MST 1155MST			0	0	0	0	Hail (0.75)
A severe thunderstorm dumped 3/4 inch hail on the town of Orderville.									
<b>UTZ008-016&gt;018</b>	<b>Wasatch Mountains South Of I80 - Southwest Utah/Cedar City/Milford - Central And Southwest Mountains - Southeast Mountains/Canyonlands</b>								
	30	1000MST			0	0	0	0	Heavy Snow
	31	1400MST							

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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## UTAH, West and Central

A bewitching storm brought scary amounts of snow to many of the ski resorts and portions of central Utah. The storm started early on the 30th and continued into Halloween. Snow totals from this event included 35 inches at Alta, 27 inches and Brian Head, 18 inches in Scofield, 14 inches in Kanosh, 13 inches at Fillmore and 12 inches in Delta.

## VERMONT, North and Central

### VTZ003>005-008-010 Orleans - Essex - Chittenden - Washington - Orange

29 0800EST 0 0 5K Light Snow  
1500EST

A storm system over the Canadian Maritimes resulted in wrap around moisture with precipitation falling in the form of snow. Generally, between 2 and 4 inches of snow fell in these areas. The greatest amounts reported were 4.6 inches in Jericho (Chittenden county) and 4.2 inches in Greensboro (Orleans county).

### VTZ009

#### Addison

29 0800EST 0 0 5K Light Snow  
1500EST

A storm system over the Canadian Maritimes resulted in wrap around moisture with precipitation falling in the form of snow. Generally, between 3 and 5 inches of snow fell in these areas with some enhancement of the snowfall due to the effect of Lake Champlain. The greatest amount reported was 5.6 inches in Cornwall (Addison county).

### VTZ001-011>012

#### Grand Isle - Rutland - Windsor

29 0800EST 0 0 3K Light Snow  
1500EST

A storm system over the Canadian Maritimes resulted in wrap around moisture with precipitation falling in the form of snow. Generally, between 1 and 3 inches of snow fell in these areas.

### VTZ002

#### Franklin

29 0800EST 0 0 20K Light Snow  
1500EST

A storm system over the Canadian Maritimes resulted in wrap around moisture with precipitation falling in the form of snow. Amounts of snowfall were generally between 2 and 4 inches with traffic accidents reported. The greatest amount of snow reported was 4 1/2 inches in Enosburg Falls (Franklin county).

### VTZ006>007

#### Lamoille - Caledonia

29 1000EST 0 0 30K Winter Storm  
1500EST

A storm system over the Canadian Maritimes resulted in wrap around moisture with precipitation in the form of snow. Generally, across Lamoille and Caledonia counties, between 4 and 7 inches of snow fell with traffic accidents reported. Mount Mansfield (Lamoille county) received 7 inches while Kirby (Caledonia county) received 5 1/2 inches.

## VERMONT, South

### VTZ013>014

#### Bennington - Windham

29 1300EST 0 0 Snow  
2200EST

A low pressure system moved northeast off the coast on Sunday October 29. The outer fringe of its precipitation shield interacted with enough cold air, to produce an unseasonably early snowfall across southern Vermont. A dusting to an inch of snow fell across the valley areas of both Bennington and Windham counties, while the higher spots of the southern Greens received 2 to 3 inches. The snow resulted in a few minor vehicular accidents, but no other problems were reported to the National Weather Service.

## VIRGIN ISLANDS

### St. Croix County

#### St. Croix

19 1400AST 0 0 Hail (0.75)

A resident from St. Croix reported marble size hail along the south shore of the island.

### St. Thomas/St. John &

### Islands County

#### St. Thomas

24 1455AST 0 0 Waterspout  
1505AST

Several waterspouts were sighted south of St. Thomas.

## VIRGINIA, East

### VAZ071-095

#### Henrico - Norfolk

01 0001EST 0 0 0 0 Drought  
31 2359EST

Although not technically a drought, much of eastern Virginia experienced extremely dry conditions during the month of October. Only .01 of an inch of precipitation fell at Richmond International Airport making it the driest month ever on record. Norfolk International Airport also received only .01 inches of precipitation during the month. This was the driest month ever recorded at Norfolk also. A very wet summer prevented a more hazardous fire situation than would normally be experienced under such dry conditions. However, several small brush fires were reported over the region. Crops also were able to withstand the lack of rainfall due to a very wet summertime

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## VIRGINIA, East

### Norfolk (C)

Ocean View	09	0615EST 0620EST			0	0	0	0	Waterspout
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A waterspout formed off Ocean View Beach, then quickly dissipated.

### Virginia Beach (C)

Lynnhaven	09	0620EST 0625EST			0	0	0	0	Waterspout
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A waterspout was observed by the Coast Guard near Lynnhaven Inlet, then quickly dissipated.

## VIRGINIA, Extreme Southwest

NONE REPORTED.

## VIRGINIA, North

NONE REPORTED.

## VIRGINIA, Northwest

### VAZ003>004

#### Dickenson - Buchanan

01	0000EST	0	0	Monthly Precipitation
31	2300EST			

Total monthly precipitation was only 0.30 to 0.70 of an inch in these 2 Virginia counties. The 0.33 of an inch at Clintwood was the driest October, and second driest month, since records began in 1964. Other monthly rain totals include John Flannagan Lake with 0.32 of an inch and Grundy with 0.35.

### VAZ003>004

#### Dickenson - Buchanan

08	0300EST 0800EST	0	0	Cold
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Dawn temperatures were mostly in the mid 20s to lower 30s. Clintwood observed 26 degrees, while both Hurley and the Breaks Interstate Park saw 30 degrees.

## VIRGINIA, Southwest

NONE REPORTED.

## WASHINGTON, Northeast

NONE REPORTED.

## WASHINGTON, Northwest

NONE REPORTED.

## WASHINGTON, Southeast

### Walla Walla County

5 W Waitsburg	01	0000PST	0	0	90K	0	Heavy Rain
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Substantial rains over the previous day, coupled with an early morning thunderstorm that dumped over one-half inch of rain in 45 minutes, lead to widespread agricultural runoff that washed mud over several local roads. Rushing waters stripped several layers of gravel from Miller Road, located just west of Waitsburg. Several local gravel roads needed to be completely reggraded.

### WAZ028

#### Lower Columbia Basin

24	0700PST 0900PST	0	0	50K	0	Fog
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Dense fog formed over the Columbia Basin near the Tri-Cities. Several accidents occurred around the region, including three on the Snake River Bridge between Pasco and Wallula Junction. Visibilities were reported as low as 100 ft.

## WASHINGTON, Southwest

NONE REPORTED.

## WEST VIRGINIA, East

NONE REPORTED.

## WEST VIRGINIA, North

NONE REPORTED.

## WEST VIRGINIA, Southeast

NONE REPORTED.



# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## WEST VIRGINIA, West

**WVZ005>008-013>016- Wayne - Cabell - Mason - Jackson - Lincoln - Putnam - Kanawha - Roane - Calhoun - Mingo - Logan - 018-024>028-033>037- Boone - Clay - Braxton - McDowell - Wyoming - Raleigh - Fayette - Nicholas - Pocahontas - Randolph 046>047**

**01 0000EST 0 0 Monthly Precipitation**  
**31 2300EST**

Total October precipitation was less than an inch across central and southern West Virginia, plus the mountainous counties of Randolph and Pocahontas. Pineville of Wyoming County had a meager 0.12 of an inch. Buckeye of Pocahontas County saw only 0.17, Iaeger and War of McDowell County recorded around a quarter of an inch. The half inch of rain at Beckley was the second driest October on record for that town. Even Elkins, Gladys, and Richwood saw amounts only around 0.60 of an inch. North central counties of West Virginia had a bit more rain, generally 1.5 to 2 inches.

**WVZ005>011-013>020- Wayne - Cabell - Mason - Jackson - Wood - Pleasants - Tyler - Lincoln - Putnam - Kanawha - Roane - Wirt - 024>040-046>047 Calhoun - Ritchie - Doddridge - Mingo - Logan - Boone - Clay - Braxton - Gilmer - Lewis - Harrison - Taylor - McDowell - Wyoming - Raleigh - Fayette - Nicholas - Webster - Upshur - Barbour - Pocahontas - Randolph**

**08 0300EST 0 0 Cold**  
**0800EST**

Dawn temperatures were mostly in the mid 20s to lower 30s. The 25 degrees registered at Beckley and the 29 degrees at Huntington were both records for the date, in those communities. The coldest reading observed was 21 degrees from the high mountain location at Snowshoe.

**WVZ037>038-046>047 Nicholas - Webster - Pocahontas - Randolph**

**08 2000EST 0 0 Snow**  
**09 0800EST**

An early mountain snow left an inch on most terrain above 2500 feet in elevation, for dawn on the 9th. A few locations in Webster County had 2 or 3 inches of snow, according to the state highway department. This was the first snow of the new season in the Mountain State.

## WISCONSIN, Extreme Southwest

NONE REPORTED.

## WISCONSIN, Northeast

**WIZ005 Vilas**  
**06 1600CST 0 0 Heavy Snow**  
**07 1800CST**

**WIZ010 Oneida**  
**06 1800CST 0 0 Snow**  
**07 1800CST**

Unseasonably cold air flowing over the warmer waters of Lake Superior caused heavy lake effect snow showers to reach Vilas county. Snowfall totals were highest from the central into the northwest part of the county. Boulder Junction received 14 inches of snow during this event. Winchester received 12 inches of snow and Land O Lakes had 10 inches. The lake effect snow showers reached into Oneida county. Snowfall there ranged from 3 inches at Rhinelander to 6 inches near Minocqua. This was early in the season for such a significant snowfall.

**WIZ050 Manitowoc**  
**07 1600CST 0 0 Snow**  
**2100CST**

Convective snowfall developed over east central Wisconsin as an upper trough passed through the area. Thunder and lightning accompanied one to three inches of snow that fell across Manitowoc county. The weight of the wet snow caused some tree limbs to break, taking power lines down along with them.

## WISCONSIN, Northwest

**WIZ004 Iron**  
**07 0500CST 0 0 Heavy Snow**  
**1530CST**

Lake effect snow fell to a depth of 6 to 10 inches in eastern Iron County. Ten inches fell at Long Lake, about 6 miles northeast of Mercer, and 6 inches were reported at Hurley and Montreal.

## WISCONSIN, Southeast

**WIZ056-062>063- Sauk - Iowa - Dane - Lafayette - Green - Rock 067>069**

**23 2200CST 0 0 Fog**  
**24 0800CST**

Dense fog reduced visibilities to less than 1/4 mile across south-central Wisconsin during the overnight hours to the mid-morning hour on the 24th. Many airplane flights were delayed or canceled at local airports. Several vehicle accidents were also noted. The dense fog was the result of evaporation of rain that fell during the day on the 23rd, clear skies, and a weak east to southeast return flow around a weak high pressure over the Western Great Lakes region.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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## WISCONSIN, Southeast

**WIZ046>047-057>058-064>065-070>072** Marquette - Green Lake - Columbia - Dodge - Jefferson - Waukesha - Walworth - Racine - Kenosha

24 0000CST 0 0 Fog  
0800CST

Dense fog reduced visibilities to less than 1/4 mile across parts of south-central, and southeast Wisconsin during the overnight hours to the mid-morning hour on the 24th. Many airplane flights were delayed or canceled at local airports. Several vehicle accidents were also noted. The dense fog was the result of evaporation of rain that fell during the day on the 23rd, clear skies, and a weak east to southeast return flow around a weak high pressure over the Western Great Lakes region.

**WIZ051>052-059>060-066** Fond Du Lac - Sheboygan - Washington - Ozaukee - Milwaukee

24 0200CST 0 0 Fog  
0700CST

Dense fog reduced visibilities to less than 1/4 mile across southeast Wisconsin during the overnight hours to the mid-morning hour on the 24th. Many airplane flights were delayed or canceled at local airports. Several vehicle accidents were also noted. The dense fog was the result of evaporation of rain that fell during the day on the 23rd, clear skies, and a weak east to southeast return flow around a weak high pressure over the Western Great Lakes region.

**WIZ051>052-052-058>060-065>066** Fond Du Lac - Sheboygan - Dodge - Washington - Ozaukee - Waukesha - Milwaukee

24 1600CST 0 0 Fog  
25 1000CST

Due to a stagnant weather pattern that resulted in dense fog the night before, another round of dense fog formed again during the afternoon hours of the 24th and continued into the morning hours of the 25th. Visibilities were reduced to less than 1/4 mile or near zero across southeast Wisconsin. Many airplane flights were delayed or canceled at local airports. Several vehicle accidents were also noted. The dense fog was the result of evaporation of rain that fell during the day on the 23rd, clear skies, and a weak east to southeast return flow around a weak high pressure over the Western Great Lakes region.

**WIZ070>072** Walworth - Racine - Kenosha

24 2100CST 0 0 Fog  
25 0900CST

Due to a stagnant weather pattern that resulted in dense fog the night before, another round of dense fog formed again during the evening hours of the 24th and continued into the morning hours of the 25th. Visibilities were reduced to less than 1/4 mile or near zero across southeast Wisconsin. Many airplane flights were delayed or canceled at local airports. Several vehicle accidents were also noted. The dense fog was the result of evaporation of rain that fell during the day on the 23rd, clear skies, and a weak east to southeast return flow around a weak high pressure over the Western Great Lakes region.

**WIZ046>047-056>057-062>063-067>069** Marquette - Green Lake - Sauk - Columbia - Iowa - Dane - Lafayette - Green - Rock

25 0000CST 0 0 Fog  
0800CST

Due to a stagnant weather pattern that resulted in dense fog the night before, another round of dense fog formed again during the pre-dawn hours of the 25th and continued to the mid-morning hour. Visibilities were reduced to less than 1/4 mile or near zero across south-central Wisconsin. Many airplane flights were delayed or canceled at local airports. Several vehicle accidents were also noted. The dense fog was the result of evaporation of rain that fell during the day on the 23rd, clear skies, and a weak east to southeast return flow around a weak high pressure over the Western Great Lakes region.

## WISCONSIN, Southwest

NONE REPORTED.

## WISCONSIN, West

**St. Croix County**

6 S Hudson

26 1714CST 0 0 Hail (1.00)  
1720CST

Hail covered the ground to a depth of 2 inches.

**St. Croix County**

5 NW River Falls

26 1733CST 0 0 Hail (1.00)  
1735CST

## WYOMING, Central and West

**WYZ013>015-027>028** Wind River Basin - Green Mountains - Natrona - Southeast Big Horn Mountains - East Johnson

31 0900MST 0 0 Winter Storm  
2300MST

Halloween storm produced a band of heavy snow from southeast Fremont County through parts of Natrona County and into southern Johnson County. Amounts ranged from 6 to 8 inches in southeast Fremont County to around a foot in southwest Johnson County in the Big Horn Mountains.

# Storm Data and Unusual Weather Phenomena

October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

## WYOMING, Extreme Southwest

NONE REPORTED.

## WYOMING, North Central

NONE REPORTED.

## WYOMING, Northeast

NONE REPORTED.

## WYOMING, Southeast

WYZ063-066>067	Snowy Range - Laramie Range - Platte				
	01	0000MST	0	0	High Wind (G51) <sup>M</sup>
		1430MST			
	High winds blew across parts of southeast Wyoming, with gusts as high as 59 mph recorded at Dodge Creek, and 58 mph recorded at Arlington, WY				
Albany County					
16 SE Laramie	24	1757MST	0	0	Hail (1.00)
		1804MST			
Albany County					
20 SE Laramie	24	1805MST	0	0	Hail (0.75)
		1812MST			

## Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Injured	Property	Crops	Character of Storm
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January 2000

### ADDITIONS/CORRECTIONS

#### **NEVADA, West**

**NVZ002**

#### **Greater Lake Tahoe Area**

**10 2000PST**

**0**

**0**

**0**

**Heavy Snow**

**11 0800PST**

Spotter report of 10-14 inches of snow overnight at the Mt. Rose Ski Area, elevation 8240 feet.

## Storm Data and Unusual Weather Phenomena

March 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crop s	

### ADDITIONS/CORRECTIONS

#### MISSOURI, Southwest

<b>Benton County</b>									
Countywide	08	0800CST			0	0	20K		Wild/Forest Fire
	10	1800CST							
<b>Camden County</b>									
Countywide	08	0800CST			0	0	850K		Wild/Forest Fire
	10	1800CST							
<b>Dallas County</b>									
Countywide	08	0800CST			0	1	30K		Wild/Forest Fire
	10	1800CST							
<b>Hickory County</b>									
Countywide	08	0800CST			0	0	20K		Wild/Forest Fire
	10	1800CST							
<b>Laclede County</b>									
Countywide	08	0800CST			0	0	350K		Wild/Forest Fire
	10	1800CST							
<b>Miller County</b>									
Countywide	08	0800CST			0	0	20K		Wild/Forest Fire
	10	1800CST							
<b>Morgan County</b>									
Countywide	08	0800CST			0	0	20K		Wild/Forest Fire
	10	1800CST							
<b>Phelps County</b>									
Countywide	08	0800CST			0	0	10K		Wild/Forest Fire
	10	1800CST							
<b>St. Clair County</b>									
Countywide	08	0800CST			0	0	20K		Wild/Forest Fire
	10	1800CST							

High winds gusting to around 40 mph on March 8th combined with low humidity and dry brush to create extremely hazardous fire conditions in central and south central Missouri. The ongoing drought over the region contributed to the overall dry surface conditions. Afternoon humidity levels dropped to around 20 percent on the afternoon of the 8th. Cooler temperatures and higher humidity levels on the 9th and 10th allowed fire crews to get control of the fires by the evening of the 10th.

More than 17 residences and 31 structures were destroyed by more than 70 separate fires. The largest number of fires and structural damage occurred in the Camden and northern Laclede county areas. Local officials reported that 44 fires destroyed 15 homes and 16 outbuildings south of the Lake of the Ozarks. The hardest hit area was the Sunrise Beach area in Camden County. Forced evacuations were required in many areas. Over 250 firefighters and 75 pieces of equipment were dispatched from surrounding areas in Missouri. One firefighter was injured in northern Dallas County.

# Storm Data and Unusual Weather Phenomena

April 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crop s	

## ADDITIONS/CORRECTIONS

### VIRGINIA, Southwest

<b>Wythe County</b>									
3 S Wytheville	17	1127EST			0	0			Hail (1.00)
<b>Craig County</b>									
4 S New Castle to	17	1145EST			0	0			Urban/Sml Stream Fld
4 E New Castle		1230EST							
<b>Giles County</b>									
Maybrook	17	1145EST			0	0			Urban/Sml Stream Fld
		1230EST							
<b>Franklin County</b>									
Callaway	17	1213EST			0	0			Hail (0.75)
<b>Patrick County</b>									
Meadows Of Dan	17	1219EST			0	0			Hail (1.00)
<b>Montgomery County</b>									
Christiansburg	17	1225EST			0	0			Hail (0.75)
<b>Montgomery County</b>									
Christiansburg	17	1235EST			0	0			Hail (0.75)
		1240EST							
<b>Patrick County</b>									
.5 E Vesta to	17	1300EST			0	0	0		Flash Flood
5 E Vesta									
<b>Franklin County</b>									
Penhook	17	1305EST			0	0	1 K		Thunderstorm Wind
<b>Franklin County</b>									
Henry	17	1310EST			0	0			Hail (0.88)
<b>Montgomery County</b>									
Shawsville	17	1314EST			0	0			Hail (1.25)
<b>Montgomery County</b>									
2 W Shawsville	17	1315EST			0	0			Flash Flood
<b>Franklin County</b>									
Redwood	17	1330EST			0	0			Hail (1.00)
<b>Charlotte County</b>									
Charlotte Court Hous	17	1341EST			0	0			Hail (1.00)
<b>Franklin County</b>									
South Portion	17	1345EST			0	0	75 K		Thunderstorm Wind
		1405EST							
<b>Campbell County</b>									
2 N Altavista	17	1400EST			0	0	75 K		Lightning
<b>Pittsylvania County</b>									
2.5 E Sandy Level	17	1400EST			0	0			Hail (1.75)
<b>Charlotte County</b>									
Charlotte Court Hous	17	1402EST			0	0			Hail (1.00)
<b>Campbell County</b>									
Brookneal	17	1415EST			0	0	3 K		Lightning
<b>Campbell County</b>									
Naruna	17	1421EST			0	0			Hail (0.75)
<b>Campbell County</b>									
Gladys	17	1452EST	0.1	40	0	0	0		Tornado (F0)
<b>Pittsylvania County</b>									
Hurt	17	1455EST			0	0			Hail (1.00)
<b>Campbell County</b>									
Altavista	17	1500EST			0	0			Hail (0.75)
<b>Pittsylvania County</b>									
Hurt	17	1512EST			0	0			Hail (1.00)
<b>Wythe County</b>									
Wytheville	17	1625EST			0	0			Hail (0.75)

# Storm Data and Unusual Weather Phenomena

April 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crop s	

## ADDITIONS/CORRECTIONS

### VIRGINIA, Southwest

<b>Wythe County</b>									
Wytheville	17	1625EST			0	0			Hail (0.75)
<b>Wythe County</b>									
Central Portion	17	1630EST 1635EST			0	0	0		Thunderstorm Wind
<b>Roanoke (C)</b>									
Roanoke	17	1706EST 1800EST			0	0	0		Flash Flood
<b>Carroll County</b>									
Fancy Gap	17	1713EST			0	0			Hail (0.75)
<b>Carroll County</b>									
Hillsville	17	1740EST			0	0			Hail (0.75)
<b>Patrick County</b>									
5 S Woolwine	17	1805EST			0	0			Hail (0.75)
<b>Franklin County</b>									
Rocky Mt	17	1900EST 1945EST			0	0			Flash Flood
<b>Carroll County</b>									
5 SE Hillsville	17	1930EST 2030EST			0	0			Flash Flood
<b>Patrick County</b>									
2 E Stuart	17	1945EST 2045EST			0	0			Flash Flood
<b>Montgomery County</b>									
Christiansburg	17	1950EST 2030EST			0	0			Flash Flood
<b>Roanoke County</b>									
Vinton	17	2010EST 2130EST			0	0			Flash Flood
<b>Roanoke (C)</b>									
Roanoke	17	2010EST 2100EST			0	0			Flash Flood
<b>Franklin County</b>									
4 SW Sydnorsville	17	2035EST 2200EST			0	0			Flash Flood
<b>Rockbridge County</b>									
Southeast Portion	17	2110EST 2300EST			0	0			Flash Flood
<b>Charlotte County</b>									
Countywide	17	2200EST			0	0			Flash Flood
<b>Franklin County</b>									
Rocky Mt	17	2200EST 2330EST			0	0			Flash Flood
<b>Roanoke County</b>									
North Portion	17	2200EST 2330EST			0	0			Flash Flood
<b>Roanoke (C)</b>									
Roanoke	17	2200EST 2330EST			0	0			Flash Flood

Thunderstorms during the late morning through evening of the 17th generated a tornado, and produced hail up to one and three quarter inches in diameter, damaging winds, flash flooding, and lightning damage.

A tornado briefly touched down in a field in Gladys. No damage was reported.

Hail drifts were up to 12 inches deep on the north side of Christiansburg in Montgomery County

Lightning struck a house 2 miles north of Altavista, starting a fire that burned to house to the ground. A second house in Brookneal

# Storm Data and Unusual Weather Phenomena

April 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crop s		Character of Storm
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## ADDITIONS/CORRECTIONS

### VIRGINIA, Southwest

Lightning struck a house 2 miles north of Altavista, starting a fire that burned to house to the ground. A second house in Brookneal was struck by lightning starting a fire that caused minor damage.

Heavy thunderstorm rains caused Little Ivy Creek to flood from 1/2 mile east of Vesta to 5 miles east of Vesta, and caused Poplar Road and Alleghany Springs Road to flood 2 miles west of Shawsville. Heavy rain flooded and closed the following; numerous streets in the City of Roanoke, School Board Road in Rocky Mount, Snake Creek Bridge on Route 58 five miles southeast of Hillsville, and McCoy Road in Christiansburg. Heavy rain flooded Spoon Creek onto Route 58, closing it, 2 miles east of Stuart, caused a mudslide closing Route 759 four miles southwest of Sydnorsville, flooded small streams in Rocky Mt, and flooded and closed roads in southeastern Rockbridge County, and across Charlotte County.

Heavy rain caused minor small stream flooding of Broad Run onto Route 618 in several places from 4 miles east of New Castle to 4 miles south of New Castle, and Sinking Creek onto Route 608 in Maybrook.

After flooding earlier in the afternoon in Roanoke County and the City of Roanoke, additional heavy rain flooded roads in Vinton and in the City of Roanoke, closing some. Carvins and Masons Creeks flooded in northern Roanoke County, and Tinker Creek and Glade Creek also flooded in Roanoke County and in the City of Roanoke

Thunderstorm winds on the afternoon of the 17th blew out windows in a house in Penhook and downed trees and power lines in central Wythe County.

Thunderstorm winds also damaged houses, cars, mobile homes, barns, and downed trees and power lines in southern Franklin County.

### ARIZONA, Southwest

#### **La Paz County**

<b>30 SE Parker</b>	<b>29</b>	<b>1915MST</b>		<b>0</b>	<b>0</b>	<b>4K</b>	<b>Thunderstorm Wind (G60)</b>
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Power poles blown down near Route 72 and McVay roads.

#### **Maricopa County**

<b>20 W Tonopah</b>	<b>29</b>	<b>2000MST</b>		<b>0</b>	<b>2</b>		<b>Lightning</b>
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Two men riding their motorcycles westbound on I-10 were caught in a thunderstorm. They pulled off the road and got off their bikes. While standing around the bikes, lightning struck very close, and knocked the two men unconscious. They were treated and released at a nearby hospital.

### NORTH DAKOTA, East

#### **Benson County**

<b>Warwick</b>	<b>13</b>	<b>2115CST</b>		<b>0</b>	<b>0</b>		<b>Flash Flood</b>
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#### **Eddy County**

<b>Hamar</b>	<b>13</b>	<b>2115CST</b>		<b>0</b>	<b>0</b>		<b>Flash Flood</b>
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#### **Griggs County**

<b>Jessie</b>	<b>13</b>	<b>2115CST</b>		<b>0</b>	<b>0</b>		<b>Flash Flood</b>
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#### **Nelson County**

<b>Aneta</b>	<b>13</b>	<b>2115CST</b>		<b>0</b>	<b>0</b>		<b>Flash Flood</b>
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#### **Steele County**

<b>Sharon</b>	<b>13</b>	<b>2115CST</b>		<b>0</b>	<b>0</b>		<b>Flash Flood</b>
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After the heavy rainfall that occurred on June 12th, another 2 to 4 inches of rain fell across portions of Benson, Eddy, Nelson, Griggs, and Steele counties. Flash flooding occurred along some of the tributaries of the upper Sheyenne River. An observer along the Pickerel Lake Creek near Aneta reported the creek had risen rapidly to near bankfull.

#### **Walsh County**

<b>Grafton</b>	<b>15</b>	<b>1715CST</b>		<b>0</b>	<b>0</b>		<b>Flash Flood</b>
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#### **Cass County**

<b>Fargo</b>	<b>19</b>	<b>1640CST</b>		<b>0</b>	<b>0</b>	<b>2K</b>	<b>Thunderstorm Wind</b>
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Six inch diameter tree branches were blown down.



# Storm Data and Unusual Weather Phenomena

June 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crop s	Character of Storm
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## ADDITIONS/CORRECTIONS

### NORTH DAKOTA, East

#### **Cass County**

<b>Fargo</b>	<b>19</b>	<b>1640CST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
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Six inch diameter tree branches were blown down.

#### **Cass County**

<b>Casselton</b>	<b>19</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>500K</b>		<b>Flash Flood</b>
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**20 0600CST**

After 3 to 5 inches of rain fell on the Casselton area, flash flooding occurred. Roughly 40 percent of the homes sustained some sort of water damage, which equated to about 200 homes.

#### **Cass County**

<b>Fargo</b>	<b>19</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>100M</b>		<b>Flash Flood</b>
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**20 0600CST**

A series of training thunderstorms brought heavy rain to the Fargo area. A total of 6.82 inches was reported at the ASOS site at the Fargo airport. 7.31 inches was reported by the official observer in north Moorhead. This is believed to be a new 24 hour rainfall record for the Fargo-Moorhead area. The heavy rain halted traffic, inundated storm sewers, and knocked out electricity and phones. 20,000 customers lost power when a power station was submerged. This knocked out power to those customers with sump pumps. A state of emergency was declared in the city at 3 am. At one point, 50 percent of the city streets were flooded. The major traffic arteries, Interstates 29 and 94, were flooded and closed for several days. The Fargodome sustained major damage when flooding along 19th Avenue North overflowed into the parking lot and into the lower level of the building. 8 to 12 feet of water, roughly 51.8 million gallons, filled the bottom level. This was up to the first row of seats. There was an unconfirmed report of a man injured from a flying manhole cover that blew out from the force of the sewer line backup. Damage was particularly high at North Dakota State University, where nearly all 88 buildings took on water. Four feet of water in the campus library damaged the periodical section. The telephone and internet services for the campus was also disrupted. 54 percent of the residences in the city of Fargo had water damage.

#### **Cass County**

<b>West Fargo</b>	<b>19</b>	<b>1800CST</b>			<b>0</b>	<b>0</b>	<b>5M</b>		<b>Flash Flood</b>
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**20 0600CST**

After 5 to 7 inches of rain fell across the West Fargo area, flash flooding occurred in low lying neighborhoods. The Meadow Ridge area suffered quite a bit of damage, with numerous basements flooded. Many streets and cars were also flooded.

#### **NDZ039**

#### **Cass**

	<b>19</b>	<b>1830CST</b>			<b>0</b>	<b>0</b>	<b>20M</b>		<b>Flood</b>
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**27 1800CST**

After the 6 to 8 inches of rain fell across eastern Cass county, the runoff affected the area rivers. The Sheyenne River broke outside its banks north of Fargo, flooding the rest stop along Interstate 29. The Red River in Fargo stood at 15.64 feet late in the day on the 19th. By early on the 21st, the river rose to 22.85 feet. Several low-lying roads along the river had to be closed. One-half of the cropland in Cass county was damaged.

#### **Cass County**

<b>1 NW Fargo</b>	<b>19</b>	<b>1835CST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (G55) <sup>M</sup></b>
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At the main NDSU mesonet site on the northwest edge of Fargo, a 55 knot wind gust was measured.

#### **Steele County**

<b>10 E Finley</b>	<b>19</b>	<b>1900CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
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#### **Traill County**

<b>Mayville</b>	<b>19</b>	<b>1900CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
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**20 0300CST**

#### **Ransom County**

<b>Sheldon</b>	<b>19</b>	<b>2115CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
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**20 0300CST**

#### **Richland County**

<b>10 W Walcott</b>	<b>19</b>	<b>2115CST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
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**20 0300CST**

#### **Cass County**

<b>2 N Horace</b>	<b>19</b>	<b>2130CST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
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# Storm Data and Unusual Weather Phenomena

July 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crop s	

## ADDITIONS/CORRECTIONS

### MARYLAND, South

<b>Dorchester County</b> <b>Cambridge</b>	<b>15</b>	<b>0050EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
		Trees down.							

<b>Dorchester County</b> <b>Cambridge</b>	<b>15</b>	<b>0100EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Several roads closed due to flooding.							

### MICHIGAN, West

<b>Allegan County</b> <b>Martin</b>	<b>02</b>	<b>2010EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>		<b>Thunderstorm Wind (G53)</b>
<b>Barry County</b> <b>Orangeville</b>	<b>02</b>	<b>2032EST</b>			<b>0</b>	<b>0</b>	<b>20K</b>		<b>Thunderstorm Wind (G53)</b>

A cold front caused strong to severe thunderstorms to develop in Wisconsin during the late afternoon hours, and a few strong to severe thunderstorms developed across southwestern lower Michigan in the evening. Law enforcement in Martin (eastern Allegan County) reported that 2 trees were blown down. Trees were also blown down in two separate areas of Orangeville (Barry County).

### NORTH CAROLINA, North Coastal

<b>Northampton County</b> <b>Gaston</b>	<b>24</b>	<b>0615EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Highway 46 flooded.							

### VIRGINIA, East

<b>Louisa County</b> <b>Mineral</b>	<b>15</b>	<b>1505EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Thunderstorm Wind</b>
		Several large trees down on Routes 522 and 605.							

<b>Brunswick County</b> <b>Countywide</b>	<b>24</b>	<b>0615EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Numerous secondary roads flooded.							

<b>Poquoson County</b> <b>Countywide</b>	<b>24</b>	<b>0830EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Moderate flooding reported on roads.							

<b>Southampton County</b> <b>Countywide</b>	<b>24</b>	<b>0830EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Most secondary roads flooded in spots. Several roads washed out.							

<b>Surry County</b> <b>Countywide</b>	<b>24</b>	<b>0900EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Secondary road bridges covered with water.							

<b>Sussex County</b> <b>1 S Littleton</b>	<b>24</b>	<b>0900EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Highway 35 closed between Littleton and county border due to high water.							

<b>York County</b> <b>Countywide</b>	<b>24</b>	<b>1000EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		Three interstate off-ramps closed due to flooding.							

# Storm Data and Unusual Weather Phenomena

September 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crop s	

## ADDITIONS/CORRECTIONS

### TENNESSEE, East

#### **Mcminn County**

<b>Niota</b>	<b>04</b>	<b>1750EST</b>			<b>0</b>	<b>0</b>		<b>5K</b>	<b>Thunderstorm Wind</b>
Trees down in Niota									

#### **Bradley County**

<b>Charleston</b>	<b>04</b>	<b>1855EST</b>			<b>0</b>	<b>0</b>	<b>10K</b>	<b>5K</b>	<b>Thunderstorm Wind</b>
Trees and powerlines down									

#### **Sequatchie County**

<b>5 W Dunlap</b>	<b>20</b>	<b>1935EST</b>			<b>0</b>	<b>0</b>		<b>5K</b>	<b>Thunderstorm Wind</b>
Trees down on Fredonia Mtn and Layman Roads.									

#### **Monroe County**

<b>Madisonville</b>	<b>20</b>	<b>2100EST</b>			<b>0</b>	<b>0</b>	<b>15K</b>	<b>5K</b>	<b>Thunderstorm Wind</b>
Trees and Power and phone lines down on Ball Play Road.									

#### **Monroe County**

<b>2 E Madisonville</b>	<b>20</b>	<b>2145EST</b>			<b>0</b>	<b>0</b>		<b>5K</b>	<b>Thunderstorm Wind</b>
Trees down on Highway 411 reported by dispatch.									

#### **Bradley County**

<b>Cleveland</b>	<b>24</b>	<b>1755EST</b>			<b>0</b>	<b>0</b>		<b>5K</b>	<b>Thunderstorm Wind</b>
Trees and limbs down									

### VIRGINIA, East

#### **Sussex County**

<b>Newville</b>	<b>01</b>	<b>1345EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Flash Flood</b>
Persistant heavy rain occurred as slow-moving thunderstorms moved across sections of southeast Virginia. The heavy rain caused flooding and forced road closures on Autodam Road near Route 40 in Newville.									

#### **Charles City (C)**

<b>East Portion</b>	<b>01</b>	<b>1350EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
Several flooded roads across eastern half of county.									

#### **Surry County**

<b>Cabin Pt</b>	<b>01</b>	<b>1350EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
Route 10 under water near the Surry/Prince George county line.									

#### **Southampton County**

<b>Boykins</b>	<b>01</b>	<b>1450EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
Several roads flooded.									

#### **Southampton County**

<b>Capron to Sunbeam</b>	<b>01</b>	<b>1550EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
Several roads flooded in Capron and Sunbeam.									

## Reference Notes:

### Fatality Location Abbreviations:

BF	Ball Field	MH	Mobile Home
BO	Boating	OT	Other
BU	Business	OU	Outside/Open Areas
CA	Camping	PH	Permanent Home
EQ	Heavy Equipment/Construction	SC	School
GF	Golfing	TE	Telephone
IW	In Water	UT	Under Tree
LS	Long Span Roof	VE	Vehicle

### List of Acronyms:

WCM	- Warning Coordination Meteorologist
NWS	- National Weather Service
NOAA	- National Oceanic and Atmospheric Administration
DST	- Daylight Savings Time
LST	- Local Standard Time
LDT	- Local Daylight Time

### Other Notes:

When listing wind speed values under “Character of Storm”, ex. High Wind (G81), the “G” indicates a “*Gust*” which is a peak 5-second averaged wind speed in Knots (kts). 1 kt. = 1.152 mph.

When listing hail size under “Character of Storm”, ex. Hail (2.25), the hail size is given in inches and hundredths of inches.

When listing property and crop damage, the figures indicated are the best guess made by the NWS from the available sources of information at the time of the printing.

# **The Saffir-Simpson Scale**

## **Category One Hurricane:**

Winds 74-95 mph (64-82 kt or 119-153 kph). Storm surge generally 4-5 ft above normal. No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Some damage to poorly constructed signs. Also, some coastal road flooding and minor pier damage.

## **Category Two Hurricane:**

Winds 96-110 mph (83-95 kt or 154-177 kph). Storm surge generally 6-8 feet above normal. Some roofing material, door, and window damage of buildings. Considerable damage to shrubbery and trees with some trees blown down. Considerable damage to mobile homes, poorly constructed signs, and piers. Coastal and low-lying escape routes flood 2-4 hours before arrival of the hurricane center. Small craft in unprotected anchorages break moorings.

## **Category Three Hurricane:**

Winds 111-130 mph (96-113 kt or 178-209 kph). Storm surge generally 9-12 ft above normal. Some structural damage to small residences and utility buildings with a minor amount of curtainwall failures. Damage to shrubbery and trees with foliage blown off trees and large trees blown down. Mobile homes and poorly constructed signs are destroyed. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Flooding near the coast destroys smaller structures with larger structures damaged by battering of floating debris. Terrain continuously lower than 5 ft above mean sea level may be flooded inland 8 miles (13 km) or more. Evacuation of low-lying residences with several blocks of the shoreline may be required.

## **Category Four Hurricane:**

Winds 131-155 mph (114-135 kt or 210-249 kph). Storm surge generally 13-18 ft above normal. More extensive curtainwall failures with some complete roof structure failures on small residences. Shrubs, trees, and all signs are blown down. Complete destruction of mobile homes. Extensive damage to doors and windows. Low-lying escape routes may be cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of structures near the shore. Terrain lower than 10 ft above sea level may be flooded requiring massive evacuation of residential areas as far inland as 6 miles (10 km).

## **Category Five Hurricane:**

Winds greater than 155 mph (135 kt or 249 kph). Storm surge generally greater than 18 ft above normal. Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. All shrubs, trees, and signs blown down. Complete destruction of mobile homes. Severe and extensive window and door damage. Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center. Major damage to lower floors of all structures located less than 15 ft above sea level and within 500 yards of the shoreline. Massive evacuation of residential areas on low ground within 5-10 miles (8-16 km) of the shoreline may be required.

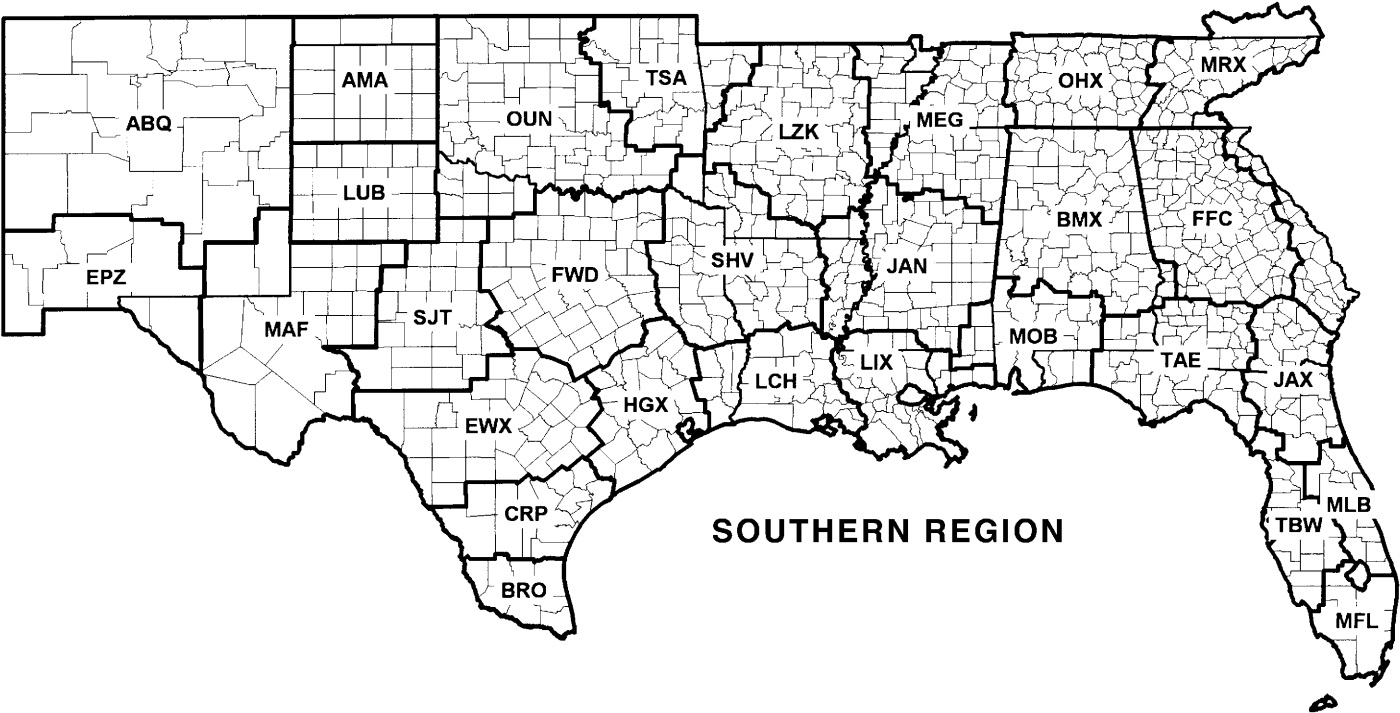
# The Fujita Scale

F-Scale	Intensity	Wind Speed (mph)	Typical Damage
F0	Gale Tornado	40 - 72	Some damage to chimneys; breaks branches off trees; pushes over shallow-rooted trees; damages sign boards.
F1	Moderate	73 - 112	The lower limit is the beginning of hurricane wind speed; peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads; attached garages may be destroyed.
F2	Significant	113 - 157	Considerable damage. Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light object missiles generated.
F3	Severe	158 - 206	Roof and some walls torn off well constructed houses; trains overturned; most trees in fores uprooted
F4	Devastating	207 - 260	Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown and large missiles generated.
F5	Incredible	261 - 318	Strong frame houses lifted off foundations and carried considerable distances to disintegrate; automobile sized missiles fly through the air in excess of 100 meters; trees debarked; steel re-inforced concrete structures badly damaged.
F6	Inconceivable	319 - 379	These winds are very unlikely. The small area of damage they might produce would probably not be recognizable along with the mess produced by F4 and F5 wind that would surround the F6 winds.

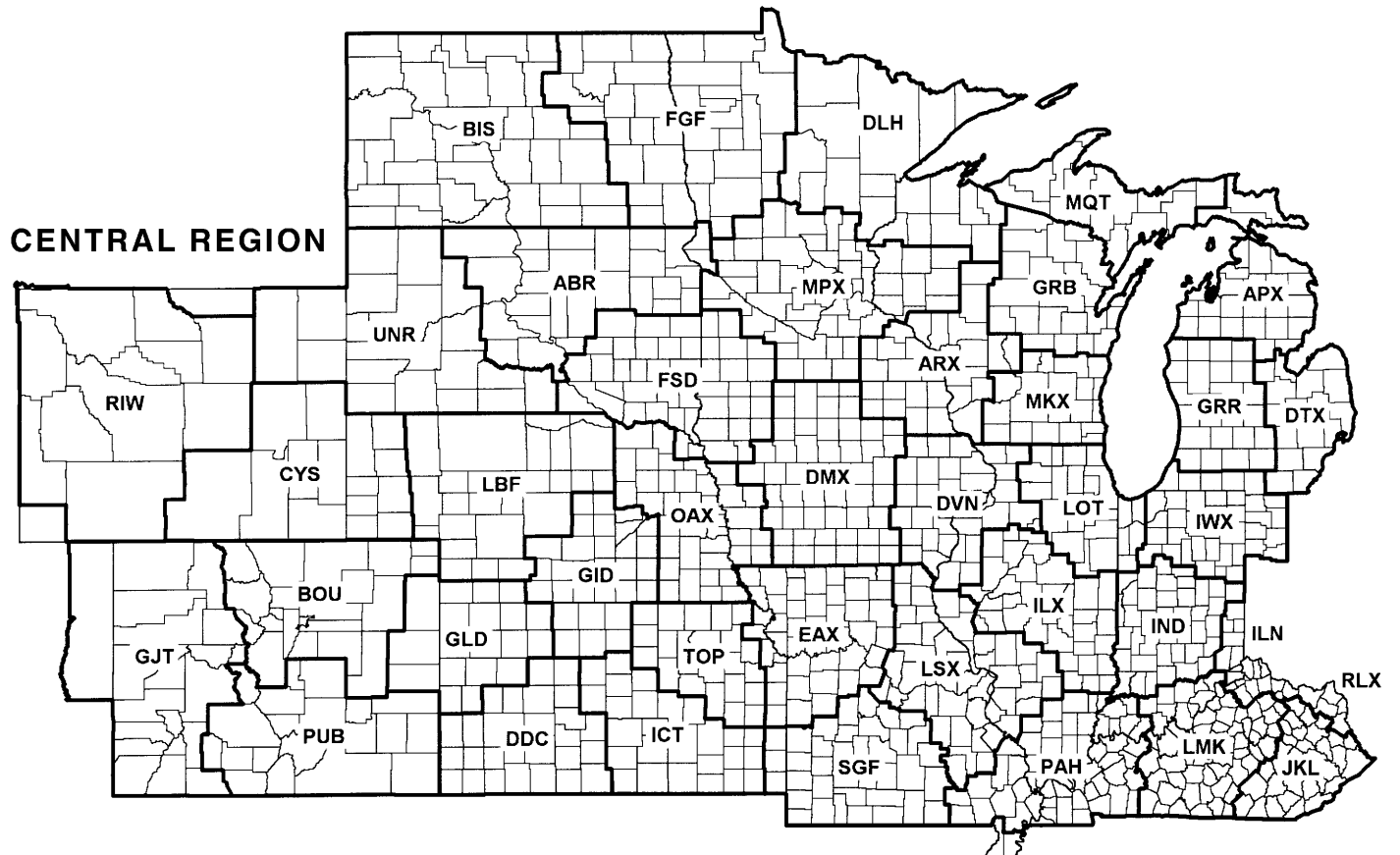
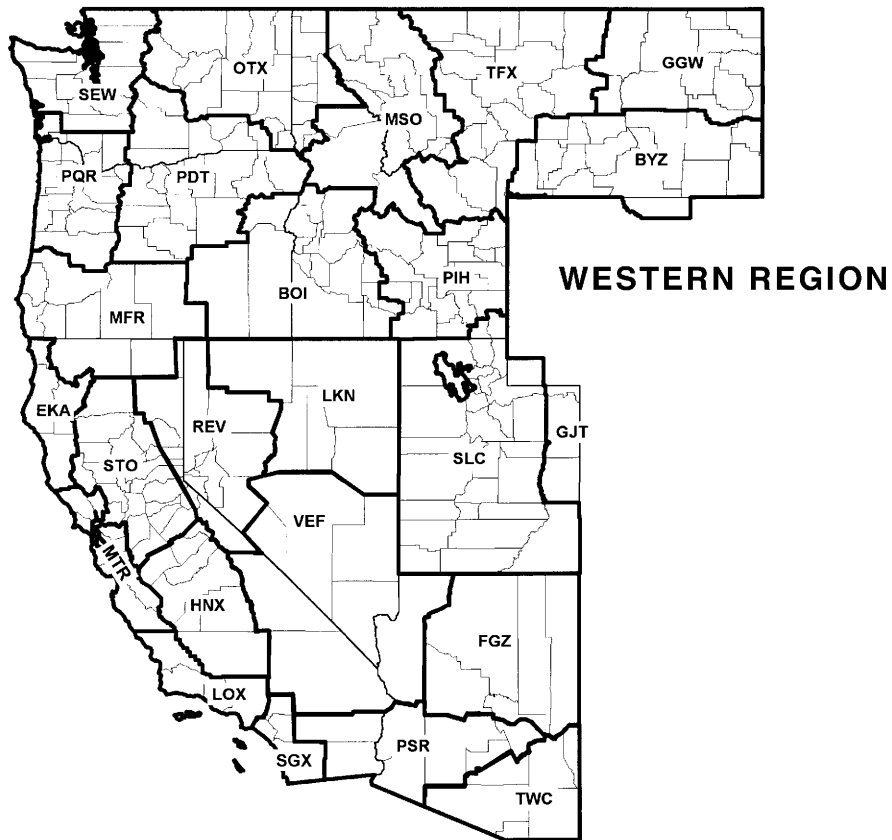


\* From the Journal of Atmospheric Science, August 1981, p. 1517-1519

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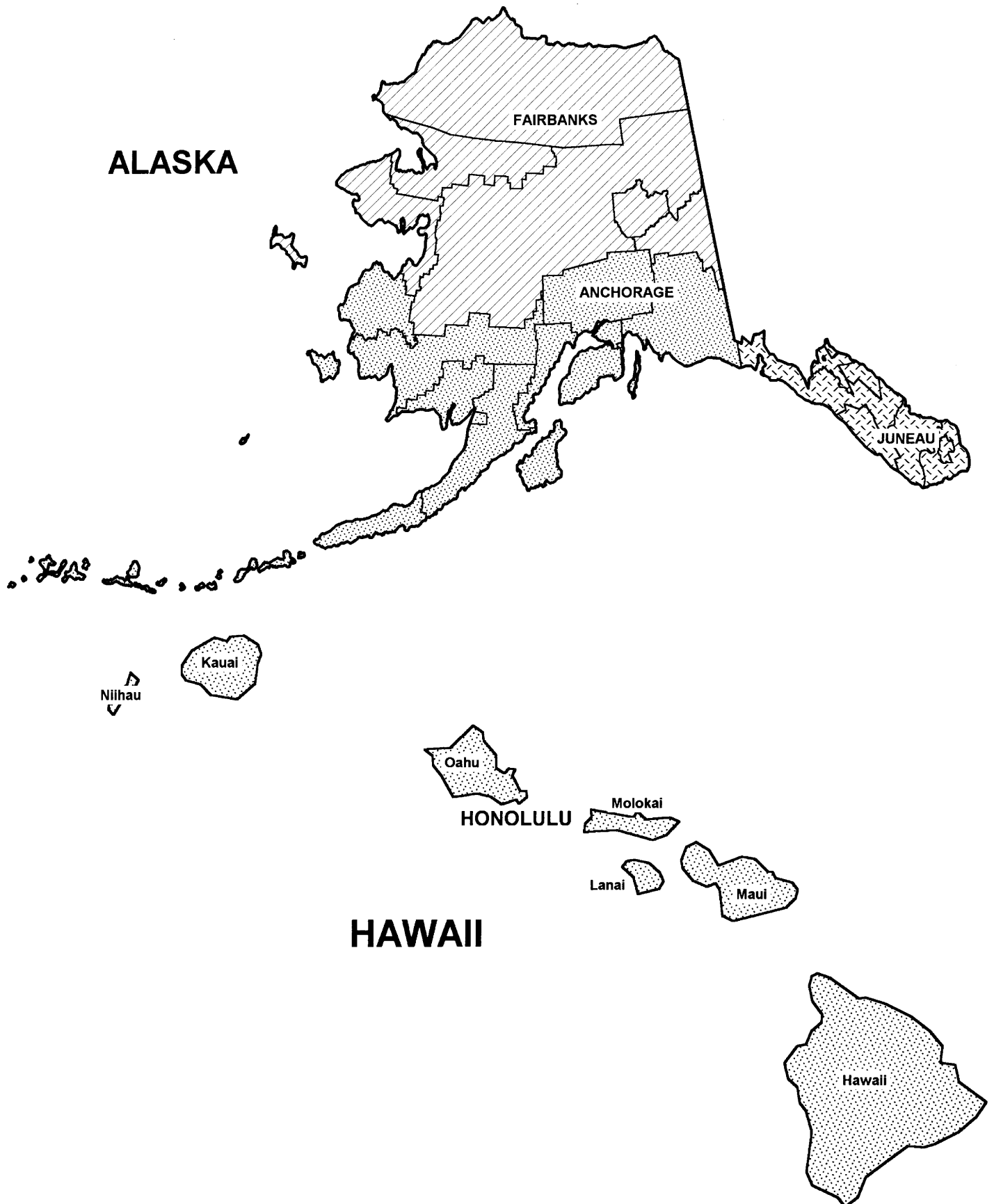


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# MODERNIZED COUNTY WARNING AREAS



**These and other publications are available from the National Climatic Data Center**

### **Hourly Precipitation Data**

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. **HPD** includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

### **Climatological Data**

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

### **Storm Data**

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

### **Monthly Climatic Data for the World**

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

### **Local Climatological Data**

**LCD** publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains the 3 hourly weather observations for that month and an hourly summary of precipitation. Annual **LCD** publications contain a summary of the past calendar year as well as historical averages and extremes.

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